

614.1
16h
1946-50
cop.3

UNIVERSITY OF
ILLINOIS LIBRARY
AT URBANA-CHAMPAIGN
STACKS

The person charging this material is responsible for its return to the library from which it was withdrawn on or before the **Latest Date** stamped below.

Theft, mutilation, and underlining of books are reasons for disciplinary action and may result in dismissal from the University.

To renew call Telephone Center, 333-8400

UNIVERSITY OF ILLINOIS LIBRARY AT URBANA-CHAMPAIGN

APR 15 1985

L161—O-1096







State of Illinois
Department of Public Health

Dwight H. Green, Governor
Roland R. Cross, M.D., Director

1946 Series, No. 1

Springfield, Illinois

October 28, 1946

MORTALITY AND NATALITY IN ILLINOIS: FIRST SIX MONTHS, 1946

Deaths in Illinois during the first half of 1946 were not quite 3% over the average of the preceding 5 years. This moderate increase in total deaths is no more than can be expected with an increasing population which year by year becomes more heavily concentrated in the older age groups. As best as can be estimated the crude death rate for the year 1946 will be about 11.3 per 1,000 population. This represents a decrease from the rates of the last few years. A decrease is inevitable because returning war veterans have swelled the civilian population of the state, which forms the base on which rates are calculated.

This year's first quarter mortality was high, especially in comparison with the unusually favorable record of the first 3 months of 1945. High mortality from January through March, 1946 was precipitated by an outbreak of influenza and pneumonia which began in late 1945. However, the months of April, May, and June, 1946 saw a significant drop in deaths to well below the corresponding months of 1945 and a return nearly to the average of the last 5 years.

Diseases characteristic of later life continue to exact an increasing toll of lives. Fatal heart disease, cancer, and cerebral hemorrhage have all increased 5% or more over the first six months' average of the last 5 years and are the first three causes of death. The increase in heart disease deaths alone more than accounts for the 3% rise of this year's total mortality over the 5 year average. Deaths from diabetes have also increased more than 5% but unlike those from other diseases associated with

old age showed a greater increase among individuals aged 45 to 64 than among those 65 years and over. These increases do not mean that the diseases are more serious than formerly except in the sense that more people live long enough to become afflicted.

Fatal accidents are returning to their pre-war eminence among the numerically most important causes of death. For several years accidents have been the most frequent cause of death among children between 5-14 and now have also again become the leading cause for the age group 15-24 years. While the greatest increase in deaths from accidents has come from motor vehicle accidents, there has also been a spurt in public accidents largely due to the major tragedies of the railroad wreck at Naperville and the LaSalle Hotel fire at Chicago. On the other hand, occupational accidental deaths in 1946 are 25% under those occurring in Illinois during the first half of last year.

Homicides and suicides have increased in 1946. The Illinois homicide rate for the first six months of 1946 is between 25 and 30% higher than the corresponding 1945 rate. The increase in the suicide rate is somewhat lower and is in the neighborhood of 8%. Metropolitan Life Insurance figures indicate that the United States as a whole has experienced an increase of one third in both rates.

The 1946 experience shows a 10% increase over 1945 in the number of deaths from the communicable diseases associated with childhood. A decrease in mortality from scarlet fever and whooping cough was more than overshadowed

owed by the rise in deaths from diphtheria and measles. While cases of diphtheria have been reported throughout all sections of Illinois, 14 of the 19 deaths reported so far this year have been among northeastern Illinois residents. Forty - seven deaths from measles have been reported as compared to 5 in 1945 and 80 in 1944, but fatality among reported cases of measles in 1946 is less than half the 1944 fatality. The ten deaths from poliomyelitis reflects what the Division of Communicable Diseases has already pointed out to be the earliest beginning and perhaps the numerically most severe epidemic of poliomyelitis ever experienced in Illinois.

Maternal deaths are again at an all time low. The maternal death rate of 1.71 per 1,000 live births during the first half of 1946 was not only 10.9% under the corresponding 1945 rate, but also 20% under the average for the last five years. The 1946 infant death rate of 35.4 per 1,000 live births is slightly higher than the 34.8 rate recorded during the first half of 1945. Had it not been for a decided decrease in infant deaths from common communicable and acute respiratory diseases, the 1946 infant death rate would have been higher than the 5 last years' average, because the death rate for premature birth is up 10% and deaths from infant diarrhea are almost double those in 1945. Actually the increase in infant diarrhea alone is numerically sufficient to account for the amount of increase in this year's infant death rate over that of 1945. Thirty counties had at least one infant dying of diarrhea while almost fifty percent of diarrhea deaths occurred in McLean, Madison, and Peoria Counties. In each one of these counties at least one hospital experienced an epidemic of diarrhea in the newborn.

From the first half year's experience, it appears that deaths from tuberculosis in 1946 will exceed those

in 1945. Despite this possible increase in the number of deaths, there are no indications that the increase will be so great as to cause the 1946 tuberculosis death rate to rise above the 1945 rate.

Some of the most outstanding decreases in mortality have been in deaths from scarlet fever, whooping cough, and syphilis. Mortality from these three causes is the lowest in Illinois' history.

During the first six months of this year 65,860 live births were reported. This is a 5.7% increase over the number reported in the same period last year and indicates that live births in Illinois may reach at least the 145,000 mark before the year closes. In this event the year's total would be surpassed only by those of 1942 and 1943 when over 150,000 live births were reported. However, the live birth rate per 1,000 population would probably not be over 17.7 as compared to 19.5 and 20.1 for 1942 and 1943, respectively.

The tables which follow present the statistics of all live births and deaths which were reported to have occurred in Illinois during the first six months of 1946. Table I gives the figures for occurrences in the state as a whole. In tables II - VII these occurrences are allocated to the usual place of residence according as it falls into the six major regions of Illinois. A short discussion of these regions has been published in Review of Illinois Health Statistics Number I, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence, 1941-1944".

Table VIII lists the number of live births, stillbirths, and deaths which occurred in each county. These figures should not be confused with the preceding tables for regions which are based on residence.

TABLE I

LIVE BIRTHS AND DEATHS: ILLINOIS, FIRST 6 MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
Live Births	65,860	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Deaths - all causes	45,932	2,332	2,802	416	933	3,915	14,236	23,617	13
Selected causes of death, total	42,613	2,202	2,579	346	807	3,530	13,426	21,912	13
Diseases of infancy	1,791	1,712	1,753	6	13	13	6	--	--
Maternal causes	113	--	--	1	25	87	--	--	--
Communicable diseases, total	605	29	83	41	33	102	239	106	1
Diphtheria	19	1	4	8	4	1	1	1	--
Dysentery - all forms	10	1	1	--	--	4	4	1	--
Encephalitis	7	--	1	--	--	--	4	2	--
Measles	47	4	28	14	2	1	1	1	--
Meningitis	51	5	15	10	7	7	11	1	--
Poliomylitis	10	1	3	2	2	2	1	--	--
Scarlet fever	5	--	1	1	2	1	--	--	--
Syphilis	377	11	12	--	6	72	198	88	1
Typhoid & paratyphoid fever	4	--	--	--	--	3	1	--	--
Whooping Cough	11	4	11	--	--	--	--	--	--
Other Communicable Diseases	64	2	7	6	10	11	18	12	--
Acute respiratory diseases	1,852	248	333	29	34	197	498	761	--
Influenza	184	18	37	3	8	15	31	90	--
Pneumonia	1,668	230	296	26	26	182	467	671	--
Tuberculosis - all forms	1,579	10	41	33	171	542	589	203	--
Pulmonary tuberculosis	1,430	6	18	18	148	496	558	192	--
Accidents - all forms	2,526	50	139	123	249	409	629	970	7
Motor vehicle	808	3	36	54	150	167	217	184	--
Home	852	40	80	22	14	75	139	522	--
Occupational	226	--	--	--	20	78	98	30	--
Public	640	7	23	47	65	89	175	234	7
Cancer	6,379	2	17	11	42	501	2,742	3,066	--
Cerebral hemorrhage	3,685	6	11	1	12	122	1,042	2,497	--
Diabetes	1,389	1	1	3	15	71	542	756	1
Diseases of Digestive System	1,919	138	174	38	38	275	755	639	--
Cirrhosis of the liver	482	1	2	1	1	69	255	154	--
Diarrhea and enteritis	155	105	120	4	1	3	9	18	--
Goiter	122	--	--	--	4	19	56	43	--
Heart disease	16,726	4	10	29	80	795	5,219	10,590	3
Coronary	3,708	--	--	--	2	213	1,580	1,913	--
Chronic rheumatic	832	1	2	15	38	153	275	349	--
Homicide	191	1	2	3	28	97	52	9	--
Nephritis	2,966	1	10	14	28	171	814	1,928	1
Prostatic disease	284	--	--	--	--	1	39	244	--
Rheumatic fever	35	--	5	13	4	7	2	4	--
Suicide	451	--	--	1	31	121	202	96	--
All other causes	3,048	120	200	63	94	324	738	1,629	--
Cause as yet unassigned	271	10	23	7	32	61	72	76	--

TABLE II

LIVE BIRTHS AND DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA:

FIRST SIX MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
Live Births	20,625	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Deaths - all causes	26,100	1,262	1,504	207	488	2,536	9,415	11,950	--
Selected causes of death, total	24,682	1,198	1,388	174	426	2,336	9,006	11,352	--
Diseases of infancy	995	956	975	2	5	10	3	--	--
Maternal causes	62	--	--	--	12	50	--	--	--
Communicable diseases, total	271	16	35	20	14	43	115	44	--
Diphtheria	14	1	2	6	3	1	1	1	--
Dysentery - all forms	5	--	--	--	--	2	2	1	--
Encephalitis	2	--	--	--	--	--	2	--	--
Measles	18	2	11	6	1	--	--	--	--
Meningitis	33	3	10	6	4	5	7	1	--
Poliomyelitis	2	--	--	1	--	--	1	--	--
Scarlet fever	1	--	--	--	--	1	--	--	--
Syphilis	164	6	6	--	3	26	92	37	--
Typhoid & paratyphoid fever	1	--	--	--	--	1	--	--	--
Whooping Cough	4	3	4	--	--	--	--	--	--
Other Communicable diseases	27	1	2	1	3	7	10	4	--
Acute respiratory diseases	1,127	143	189	16	18	148	379	376	--
Influenza	55	6	15	--	3	7	13	17	--
Pneumonia	1,072	137	174	16	15	142	366	359	--
Tuberculosis	1,108	9	33	21	129	401	422	102	--
Pulmonary tuberculosis	990	6	15	9	112	365	394	95	--
Accidents - all forms	1,258	31	72	57	83	193	396	457	--
Motor vehicle	356	--	13	24	51	63	112	93	--
Home	416	26	47	9	8	48	95	209	--
Occupational	104	--	--	--	6	30	50	18	--
Public	382	5	12	24	18	52	139	137	--
Cancer	3,836	1	12	8	23	320	1,810	1,663	--
Cerebral hemorrhage	1,847	2	4	1	8	82	664	1,088	--
Diabetes	846	1	1	--	6	40	372	427	--
Diseases of digestive system	1,122	37	55	14	19	184	527	323	--
Cirrhosis of the liver	344	1	2	1	--	57	197	87	--
Diarrhea and enteritis	33	18	24	--	1	2	4	2	--
Goiter	74	--	--	--	4	11	37	22	--
Heart disease	9,920	2	4	18	54	582	3,576	5,686	--
Coronary	1,813	--	--	--	1	130	885	797	--
Chronic rheumatic	456	1	1	11	27	110	184	123	--
Homicide	139	--	1	3	22	73	36	4	--
Nephritis	1,678	--	6	6	16	123	531	996	--
Prostatic disease	141	--	--	--	--	1	23	117	--
Rheumatic fever	18	--	1	8	1	7	--	1	--
Suicide	240	--	--	--	12	67	115	46	--
All other causes	1,316	60	106	32	48	172	376	582	--
Causes as yet unassigned	102	4	10	1	14	28	33	16	--

Region 1 - Chicago Metropolitan Area - 1940 population: Total 4,532,332; Urban 4,256,601;
Rural 275,731.

Counties: Cook, Du Page, Kane, Lake, and Will

TABLE III

LIVE BIRTHS AND DEATHS AMONG RESIDENTS OF THE NORTHERN AREA: FIRST SIX MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
Live Births	3,575	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Deaths - all causes	4,843	262	337	66	82	347	1,193	2,815	3
Selected causes of death, total	4,464	246	309	51	71	304	1,113	2,613	3
Diseases of infancy	220	197	211	3	4	1	1	--	--
Maternal causes	13	--	--	1	3	9	--	--	--
Communicable diseases, total	127	4	16	7	3	32	54	15	--
Diphtheria	--	--	--	--	--	--	--	--	--
Dysentery - all forms	2	1	1	--	--	1	--	--	--
Encephalitis	1	--	--	--	--	--	--	1	--
Measles	16	--	9	4	1	1	1	--	--
Meningitis	7	1	1	2	--	1	3	--	--
Polionyelitis	3	--	--	--	1	2	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	89	1	1	--	1	25	48	14	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping Cough	1	--	1	--	--	--	--	--	--
Other Communicable diseases	8	1	3	1	--	2	2	--	--
Acute respiratory diseases	211	22	35	6	1	17	36	116	--
Influenza	26	3	6	1	--	--	2	17	--
Pneumonia	185	19	29	5	1	17	34	99	--
Tuberculosis - all forms	141	--	1	5	10	47	47	31	--
Pulmonary tuberculosis	134	--	1	5	9	42	46	31	--
Accidents - all forms	260	3	17	18	25	40	47	112	1
Motor vehicle	84	1	6	7	15	19	21	16	--
Home	102	2	7	2	1	5	15	72	--
Occupational	20	--	--	--	1	11	6	2	--
Public	54	--	4	9	8	5	5	22	1
Cancer	615	--	3	--	2	38	245	357	--
Cerebral hemorrhage	415	2	3	--	3	10	79	320	--
Diabetes	134	--	--	1	3	10	42	78	--
Diseases of digestive system	192	18	20	4	4	23	59	82	--
Cirrhosis of the liver	33	--	--	--	--	1	15	17	--
Diarrhea and enteritis	21	15	16	--	--	--	3	2	--
Goiter	12	--	--	--	--	1	4	7	--
Heart disease	1,759	--	1	1	5	52	443	1,255	2
Coronary	560	--	--	--	--	24	199	337	--
Chronic rheumatic	71	--	--	--	2	11	21	37	--
Homicide	6	--	--	--	--	2	2	2	--
Nephritis	270	--	1	2	3	11	57	196	--
Prostatic disease	35	--	--	--	--	--	3	32	--
Rheumatic fever	5	--	1	3	1	--	--	--	--
Suicide	49	--	--	--	4	11	24	10	--
All other causes	358	16	24	14	8	40	79	193	--
Cause as yet unassigned	21	--	4	1	3	3	1	9	--

Region 2 - Northern Area - 1940 population: Total 782,703; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, De Kalb, Grundy, Henry, Jo Daviess, Kankakee, Kendall, La Salle, Lee, Mc Henry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.

LIVE BIRTHS AND DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA:

FIRST SIX MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
Live Births	980	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Deaths - all causes	1,274	73	82	4	27	90	316	755	--
Selected causes of death, total	1,130	66	73	3	23	77	288	666	--
Diseases of infancy	45	42	42	1	--	--	2	--	--
Maternal causes	4	--	--	--	--	4	--	--	--
Communicable diseases, total	29	2	3	--	1	7	11	7	--
Diphtheria	--	--	--	--	--	--	--	--	--
Dysentery - all forms	1	--	--	--	--	--	1	--	--
Encephalitis	1	--	--	--	--	--	1	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	2	1	2	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	24	1	1	--	--	7	9	7	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping Cough	--	--	--	--	--	--	--	--	--
Other Communicable diseases	1	--	--	--	1	--	--	--	--
Acute respiratory diseases	39	4	5	--	--	3	10	21	--
Influenza	5	--	--	--	--	--	2	3	--
Pneumonia	34	4	5	--	--	3	8	18	--
Tuberculosis - all forms	36	--	--	--	3	14	11	8	--
Pulmonary tuberculosis	34	--	--	--	2	13	11	8	--
Accidents - all forms	82	2	3	--	13	8	13	45	--
Motor vehicle	18	--	1	--	8	3	3	3	--
Home	42	2	2	--	--	1	4	35	--
Occupational	7	--	--	--	1	3	3	--	--
Public	15	--	--	--	4	1	3	7	--
Cancer	178	--	--	--	1	14	65	98	--
Cerebral hemorrhage	87	1	1	--	1	4	14	67	--
Diabetes	40	--	--	--	--	1	15	24	--
Diseases of digestive system	62	15	16	1	2	4	18	21	--
Cirrhosis of the liver	10	--	--	--	1	--	4	5	--
Diarrhea and enteritis	15	13	13	--	--	--	1	1	--
Goiter	1	--	--	--	--	--	--	1	--
Heart disease	421	--	1	--	1	12	106	301	--
Coronary	114	--	--	--	--	5	46	63	--
Chronic rheumatic	42	--	1	--	1	4	8	28	--
Homicide	4	--	--	--	--	1	2	1	--
Nephritis	73	--	1	1	--	--	15	56	--
Prostatic diseases	15	--	--	--	--	--	3	12	--
Rheumatic fever	1	--	1	--	--	--	--	--	--
Suicide	13	--	--	--	1	5	3	4	--
All other causes	142	7	9	1	4	12	28	88	--
Causes as yet unassigned	2	--	--	--	--	1	--	1	--

Region 3 - Peoria Metropolitan Area - 1940 population: Total 211,736; Urban 139,211; Rural 72,525.
 Counties: Peoria and Tazewell

TABLE V

LIVE BIRTHS AND DEATHS AMONG RESIDENTS OF THE CENTRAL AREA: FIRST SIX MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
Live Births	5,498	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Deaths - all causes	7,317	374	444	70	137	365	1,677	4,623	1
Selected causes of death, total	6,672	348	406	58	114	320	1,553	4,220	1
Diseases of infancy	271	263	269	--	1	1	--	--	--
Maternal causes	12	--	--	--	2	10	--	--	--
Communicable diseases, total	77	2	11	7	3	8	30	18	--
Diphtheria	2	--	1	1	--	--	--	--	--
Dysentery - all forms	1	--	--	--	--	1	--	--	--
Encephalitis	1	--	--	--	--	--	1	--	--
Measles	6	--	3	2	--	--	--	1	--
Meningitis	4	--	2	--	--	1	1	--	--
Poliomyelitis	1	--	--	--	1	--	--	--	--
Scarlet fever	1	--	--	1	--	--	--	--	--
Syphilis	47	2	2	--	1	4	27	13	--
Typhoid & paratyphoid fever	1	--	--	--	--	1	--	--	--
Whooping Cough	2	--	2	--	--	--	--	--	--
Other communicable diseases	11	--	1	3	1	1	1	4	--
Acute respiratory diseases	231	41	54	5	5	8	36	123	--
Influenza	35	2	7	--	1	2	7	18	--
Pneumonia	196	39	47	5	4	6	29	105	--
Tuberculosis - all forms	133	--	5	3	13	25	61	26	--
Pulmonary tuberculosis	121	--	2	1	12	22	61	23	--
Accidents - all forms	436	7	21	20	55	56	75	208	1
Motor vehicle	154	1	9	11	33	28	35	38	--
Home	161	6	9	4	1	10	11	126	--
Occupational	36	--	--	--	5	9	18	4	--
Public	85	--	3	5	16	9	11	40	1
Cancer	922	1	1	1	1	53	324	542	--
Cerebral hemorrhage	726	1	2	--	--	10	127	587	--
Diabetes	218	--	--	--	4	13	65	136	--
Diseases of digestive system	283	31	39	11	7	29	72	125	--
Cirrhosis of the liver	44	--	--	--	--	5	12	27	--
Diarrhea and enteritis	35	23	27	1	--	--	1	6	--
Goiter	21	--	--	--	--	3	10	8	--
Heart disease	2,644	1	2	6	11	63	603	1,959	--
Coronary	738	--	--	--	--	22	265	451	--
Chronic rheumatic	127	--	--	3	4	13	29	78	--
Homicide	13	--	--	--	1	5	6	1	--
Nephritis	540	1	1	4	3	17	108	407	--
Prostatic diseases	61	--	--	--	--	--	4	57	--
Rheumatic fever	5	--	1	1	--	--	1	2	--
Suicide	79	--	--	--	8	19	31	21	--
All other causes	596	25	36	10	19	36	111	384	--
Causes as yet unassigned	49	1	2	2	4	9	13	19	--

Region 4 - Central Area - 1940 population: Total 1,331,175; Urban 551,587; Rural 779,588.

Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Coles, Cumberland, DeWitt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Macon, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.

TABLE VI

LIVE BIRTHS AND DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA:

FIRST SIX MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
Live Births	1,412	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Deaths - all causes	1,740	124	137	24	38	157	455	929	--
Selected causes of death, total	1,541	119	128	18	33	134	406	822	--
Diseases of infancy	76	75	75	--	1	--	--	--	--
Maternal causes	5	--	--	--	3	2	--	--	--
Communicable diseases, total	24	3	4	1	--	2	9	8	--
Diphtheria	--	--	--	--	--	--	--	--	--
Dysentery - all forms	--	--	--	--	--	--	--	--	--
Encephalitis	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	1	--	--	1	--	--	--	--	--
Poliomyelitis	1	1	1	--	--	--	--	--	--
Scarlet fever	1	--	1	--	--	--	--	--	--
Syphilis	17	1	1	--	--	2	7	7	--
Typhoid & paratyphoid fever	1	--	--	--	--	--	1	--	--
Whooping Cough	1	1	1	--	--	--	--	--	--
Other communicable diseases	2	--	--	--	--	--	1	1	--
Acute respiratory diseases	76	11	13	--	2	9	12	40	--
Influenza	13	3	3	--	--	2	3	5	--
Pneumonia	63	8	10	--	2	7	9	35	--
Tuberculosis - all forms	39	--	--	2	4	17	8	8	--
Pulmonary tuberculosis	37	--	--	1	3	17	8	8	--
Accidents - all forms	121	2	5	9	11	23	25	48	--
Motor vehicle	47	--	1	3	6	11	11	15	--
Home	42	2	4	2	3	3	6	24	--
Occupational	13	--	--	--	--	5	5	3	--
Public	19	--	--	4	2	4	3	6	--
Cancer	182	--	--	--	2	15	66	99	--
Cerebral hemorrhage	158	--	--	--	--	3	44	111	--
Diabetes	42	--	--	1	--	--	15	26	--
Diseases of digestive system	80	27	28	2	2	8	20	20	--
Cirrhosis of the liver	18	--	--	--	--	1	11	6	--
Diarrhea and enteritis	29	26	27	1	--	--	--	1	--
Goiter	2	--	--	--	--	1	--	1	--
Heart disease	598	--	1	2	4	40	162	389	--
Coronary	133	--	--	--	1	16	61	55	--
Chronic rheumatic	35	--	--	1	1	9	11	13	--
Homicide	8	1	1	--	--	5	2	--	--
Nephritis	101	--	1	--	1	2	33	64	--
Prostatic diseases	4	--	--	--	--	--	2	2	--
Rheumatic fever	2	--	--	1	--	--	1	--	--
Suicide	23	--	--	--	3	7	7	6	--
All other causes	167	3	7	5	3	17	38	97	--
Causes as yet unassigned	32	2	2	1	2	6	11	10	--

Region 5 - East St. Louis Metropolitan Area - 1940 population: Total 316,248; Urban 213,175; Rural 103,073.

Counties: Madison and St. Clair

LIVE BIRTHS AND DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA:

FIRST SIX MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
Live Births	2,606	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Deaths - all causes	3,567	210	261	38	66	242	794	2,162	4
Selected causes of death, total	3,141	199	240	35	57	215	705	1,885	4
Diseases of infancy	162	160	161	--	--	1	--	--	--
Maternal causes	14	--	--	--	4	10	--	--	--
Communicable diseases, total	57	2	11	4	4	10	15	12	1
Diphtheria	3	--	1	1	1	--	--	--	--
Dysentery - all forms	1	--	--	--	--	--	1	--	--
Encephalitis	2	--	1	--	--	--	--	1	--
Measles	6	2	5	1	--	--	--	--	--
Meningitis	2	--	--	1	1	--	--	--	--
Poliomyelitis	3	--	2	1	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	29	--	--	--	1	8	11	8	1
Typhoid & paratyphoid fever	1	--	--	--	--	1	--	--	--
Whooping Cough	2	--	2	--	--	--	--	--	--
Other communicable diseases	8	--	--	--	1	1	3	3	--
Acute respiratory diseases	138	23	33	2	3	9	17	74	--
Influenza	46	4	6	2	3	3	4	28	--
Pneumonia	92	19	27	--	--	6	13	46	--
Tuberculosis - all forms	85	1	1	1	8	22	30	23	--
Pulmonary tuberculosis	81	--	--	1	7	22	28	23	--
Accidents - all forms	237	3	17	18	25	49	45	83	--
Motor vehicle	83	--	4	8	16	24	18	13	--
Home	79	2	10	5	1	5	7	51	--
Occupational	30	--	--	--	1	14	12	3	--
Public	45	1	3	5	7	6	8	16	--
Cancer	394	--	1	1	2	28	122	240	--
Cerebral hemorrhage	389	--	1	--	--	8	94	286	--
Diabetes	93	--	--	1	--	6	29	56	1
Diseases of digestive system	136	9	14	4	2	17	43	56	--
Cirrhosis of the liver	25	--	--	--	--	3	11	11	--
Diarrhea and enteritis	19	9	11	1	--	1	--	6	--
Goiter	8	--	--	--	--	2	4	2	--
Heart disease	1,113	1	1	2	3	26	232	848	1
Coronary	264	--	--	--	--	10	84	170	--
Chronic rheumatic	85	--	--	--	2	5	17	61	--
Homicide	12	--	--	--	3	5	3	1	--
Nephritis	251	--	--	1	1	14	54	180	1
Prostatic disease	16	--	--	--	--	--	1	17	--
Rheumatic fever	1	--	--	--	--	--	--	1	--
Suicide	33	--	--	1	2	8	16	6	--
All other causes	383	9	17	1	3	20	78	264	--
Causes as yet unassigned	43	2	4	2	6	7	11	13	--

Region 6 - Southern Area - 1940 population: Total 723,047; Urban 228,885; Rural 494,162.

Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.

TABLE VIII

LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE
OF OCCURRENCE: ILLINOIS, FIRST SIX MONTHS, 1946

Area	Live Births	Still- births	Deaths	Area	Live Births	Still- births	Deaths
Entire State	65,857	1,539	45,932	Lawrence	64	1	96
Chicago	27,354	683	19,456	Lee	275	4	306
Downstate	38,503	856	26,476	Livingston	263	3	201
Adams	578	15	434	Logan	246	7	200
Alexander	290	10	161	Mc Donough	258	8	171
Bond	18	--	42	Mc Henry	272	4	197
Boone	173	3	106	Mc Lean	701	11	451
Brown	26	--	33	Macon	923	21	503
Bureau	367	7	216	Macoupin	135	2	161
Calhoun	31	1	26	Madison	1,543	42	952
Carroll	120	6	103	Marion	456	19	214
Cass	128	2	86	Marshall	5	--	47
Champaign	917	9	375	Mason	21	--	71
Christian	303	3	170	Mas'sac	110	4	70
Clark	49	--	74	Menard	25	--	31
Clay	52	2	56	Mercer	8	--	65
Clinton	169	2	102	Monroe	8	--	56
Coles	371	8	233	Montgomery	330	3	232
Cook	33,968	820	23,810	Morgan	304	9	424
Crawford	156	5	112	Moultrie	35	1	45
Cumberland	25	2	40	Ogle	119	1	137
De Kalb	374	10	213	Peoria	1,751	23	1,139
De Witt	75	2	86	Perry	202	3	117
Douglas	161	9	74	Piatt	55	1	47
Du Page	623	9	551	Pike	145	1	113
Edgar	192	1	151	Pope	25	1	32
Edwards	23	2	43	Pulaski	61	3	67
Effingham	319	6	147	Putnam	1	--	12
Fayette	186	5	132	Randolph	223	8	147
Ford	95	1	65	Richland	284	8	134
Franklin	262	5	241	Rock Island	1,104	23	747
Fulton	355	1	213	St. Clair	1,448	49	927
Gallatin	68	3	58	Saline	378	9	212
Greene	148	2	91	Sangamon	1,117	31	805
Grundy	160	5	98	Schuyler	38	1	56
Hamilton	90	--	51	Scott	8	--	38
Hancock	82	1	92	Shelby	143	3	120
Hardin	56	4	42	Stark	12	--	27
Henderson	6	--	28	Stephenson	529	14	263
Henry	354	9	251	Tazewell	321	10	194
Iroquois	229	4	153	Union	158	5	241
Jackson	337	12	198	Vermilion	788	22	567
Jasper	26	3	42	Wabash	53	1	68
Jefferson	281	6	185	Warren	220	2	129
Jersey	58	4	52	Washington	23	--	62
Jo Daviess	41	3	89	Wayne	97	1	74
Johnson	54	2	60	White	104	1	74
Kane	1,777	35	1,141	Whiteside	359	9	203
Kankakee	548	10	783	Will	1,044	15	633
Kendall	3	--	35	Williamson	389	15	255
Knox	468	12	350	Winnebago	1,364	31	596
Lake	1,201	28	700	Woodford	16	--	54
La Salle	883	20	555				

LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE:
ILLINOIS 1945

Area	Live Births	Still-births	Deaths	Area	Live Births	Still-births	Deaths
Illinois, Total	135,042	2 927	89,204	Lawrence	138	--	233
Downstate, Total	75,667	1,525	51,135	Lee	525	14	554
Adams	1,202	20	803	Livingston	598	8	414
Alexander	637	34	398	Logan	476	12	358
Bond	44	1	100	Mc Donough	524	6	358
Boone	281	7	211	Mc Henry	444	12	362
Brown	58	2	54	Mc Leam	1,365	24	855
Bureau	681	13	443	Macon	1,912	35	1,007
Calhoun	95	1	46	Macoupin	345	6	346
Carroll	240	1	180	Madison	2,914	58	1,688
Cass	230	2	152	Marion	954	23	417
Champaign	1,691	19	719	Marshall	33	--	88
Christian	590	10	356	Mason	51	2	114
Clark	95	3	159	Massac	210	3	165
Clay	145	2	105	Menard	44	2	54
Clinton	293	8	170	Mercer	28	--	101
Coles	699	21	431	Monroe	25	--	105
Cook	71,849	1,609	46 512	Montgomery	643	17	436
Crawford	350	13	235	Morgan	584	11	785
Cumberland	65	1	90	Moultrie	69	1	112
De Kalb	770	10	433	Ogle	258	4	261
De Witt	159	6	159	Peoria	3,354	69	2,054
Douglas	294	2	172	Perry	438	6	242
Du Page	1,201	22	924	Piatt	123	1	110
Edgar	381	13	259	Pike	293	10	224
Edwards	30	1	65	Pope	68	1	64
Effingham	545	9	270	Pulaski	145	4	163
Fayette	422	15	245	Putnam	6	--	29
Ford	164	4	122	Randolph	519	11	296
Franklin	719	11	462	Richland	555	10	253
Fulton	636	9	444	Rock Island	2 281	49	1,472
Gallatin	117	3	76	St. Clair	3,170	78	1,833
Greene	281	13	188	Saline	689	18	380
Grundy	312	3	203	Sangamon	2,212	50	1,534
Hamilton	186	2	100	Schuyler	95	4	105
Hancock	191	3	233	Scott	42	1	52
Hardin	142	4	75	Shelby	292	7	261
Henderson	34	--	47	Stark	9	--	61
Henry	687	14	473	Stephenson	916	26	585
Iroquois	422	8	269	Tazewell	704	14	414
Jackson	692	17	400	Union	352	9	469
Jasper	64	1	75	Vermillion	1,493	36	1,149
Jefferson	637	20	339	Wabash	118	3	154
Jersey	127	7	100	Warren	461	9	276
Jo Daviess	101	3	190	Washington	58	2	114
Johnson	93	2	81	Wayne	205	3	129
Kane	3,119	37	2,023	White	215	3	141
Kankakee	1,058	21	1,454	Whiteside	766	18	411
Kendall	9	--	78	Will	1,983	31	1,199
Knox	940	14	631	Williamson	663	18	602
Lake	2,369	41	1,425	Winnebago	2,574	78	1,255
La Salle	1,904	35	1,076	Woodford	52	3	125

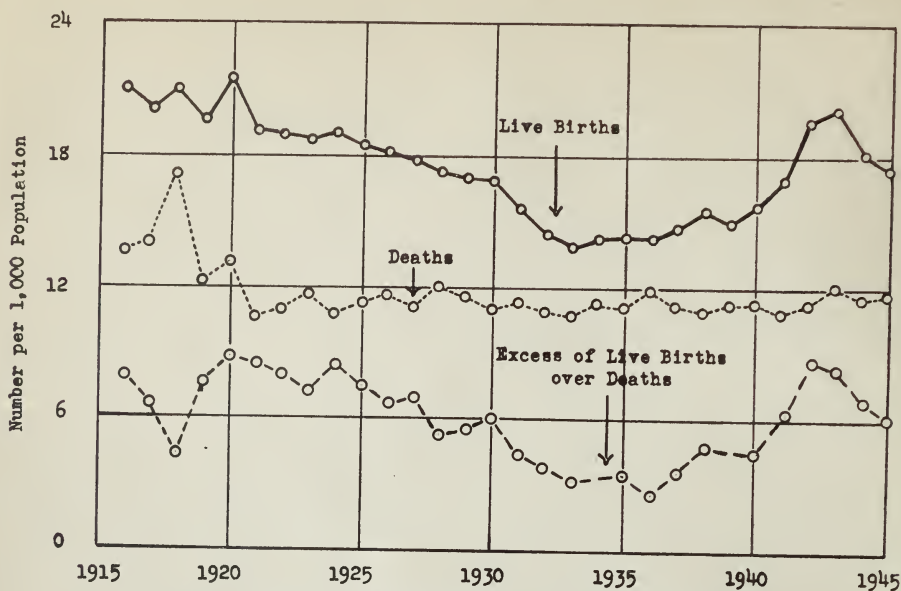


Fig. I Mortality and Natality in Illinois: 1916-1945

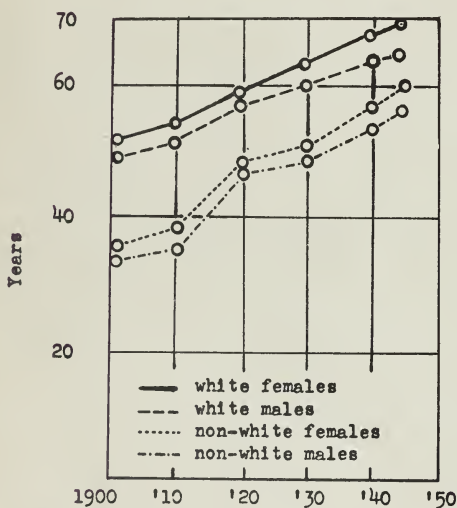


Fig. II Expectation of Life at time of birth in the United States: 1900-1944

Source: Metropolitan Life

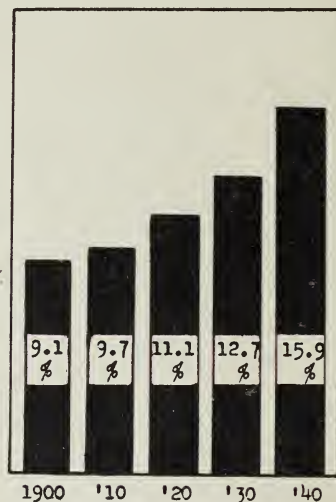
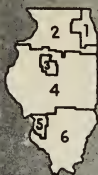


Fig. III Percent of persons aged 55 years and over in Illinois' population: 1900-1940

Source: U. S. Bureau of the Census

HEALTH STATISTICS BULLETIN

State of Illinois
Dwight H. Green
Governor



Department of Public Health
Roland R. Cross, M.D.
Director

Division of Vital Statistics & Records—O. K. Sagen, Ph.D., Chief

1946 Series, No. 2

Springfield, Illinois

December 20, 1946

MORTALITY AND NATALITY IN ILLINOIS: FIRST NINE MONTHS, 1946

Record-breaking registration of live births occurred in the third quarter of this year when 45,040 birth certificates were filed. This number which is 5,600 over the highest third quarter ever recorded in Illinois, brings the first nine month's total to 111,897 as compared with the 1945 figure of 98,204. It now appears that more births will be recorded in 1946 than in any previous year. The estimated birth rate for 1946 is about 19 live births per 1,000 population. This is a return to the high birth rates in the early 1920's.

The favorable mortality picture seen during the second quarter of 1946 has continued throughout the third quarter. Although total deaths during January-September, 1946 were more than in the same period last year, the six months of April-September, 1946 had lower mortality than in 1945. In the past six

months, mortality in every age group except infants under one month has been lower than in the same six months of 1945. Higher neonatal (infants under one month) mortality was to be expected because of the great increase in births. Actually the increase in neonatal deaths was more than twice what could be expected on the basis of just the increased births in 1946. The leading causes of neonatal deaths continue to be premature birth, birth injury, and congenital malformations. Premature birth is the cause for over half of all neonatal deaths. While the death rate for congenital malformations dropped below the 1945 rate, both the rates for premature birth and birth injury were above those for 1945. The low mortality among infants between one month and one year of age is still very encouraging, and accounts for the fact that the death rate for infants under one year was no

The Health Statistics Bulletin has been established to release provisional statistics on health matters. The subject matter of the first two numbers has been confined to quarterly mortality information, but subsequent numbers are planned for other types of material important to health officers and others concerned with public health problems. No set schedule of publication has been established, but Bulletins will be issued as quickly as the pertinent statistics can be assembled.

Comprehensive final statistics on all health topics will be released in the "Review of Illinois Health Statistics". To date Review No. 1, covering morbidity and mortality in each county and city of over 10,000 population for the years 1941-1944, has been published.

2 more than 32.5 per thousand live births for the first nine months of 1946. This rate is 5% below the average rate for the first nine months of the last five years. Because this was accomplished inspite of a high neonatal death rate, continued favorable mortality among children over a month old will make further reduction of the infant death rate almost entirely dependent upon reduced neonatal mortality.

Deaths associated with childbearing are at an all time low. So far this year only 174 maternal deaths have been reported, a decrease of 11 from the number reported in the same period of 1945. This year's maternal death rate is 1.6 per thousand live births, a 15% decrease from last year's.

At the end of September, 1946 all time lows had been reported for deaths from six other diseases, namely, scarlet fever, whooping cough, tuberculosis, syphilis, appendicitis, and nephritis. All of these except tuberculosis had also reached new lows at the end of six months. Early in 1946 there was a rather severe outbreak of respiratory diseases with considerable mortality. But the favorable experience of the past six months has been sufficient to bring the total mortality from tuberculosis to a new low and has materially reduced the year's mortality from influenza and pneumonia. Continuance of this trend now seems probable and it is likely that the pneumonia and influenza death rates for the entire year 1946 will establish new lows.

As forecasted, the third quarter saw a sharp rise in mortality from poliomyelitis. Through September, 121 deaths had been recorded. This number was still under the 1943 figure even though cases reported through September, 1946 were almost three times those reported in the same period of 1943. Four more deaths from measles occurred, bringing the total to 51. Fatality among known cases of measles in 1946 is less than half that experienced in 1944 when 80 deaths were reported but about 15% above that in 1943 when 49 deaths occurred. Diphtheria deaths now stand at 21, an increase over both 1944 and 1945.

Although this year's third quarter mortality from heart disease, cancer, and cerebral hemorrhage was slightly lower than in 1945, the totals for the first nine months of 1946 are the highest ever recorded. Deaths from heart

disease, cancer, and cerebral hemorrhage are, respectively, 8.5%, 6.8% and 4% over the averages of the last five years.

Homicides, suicides, and fatal accidents are still ahead of the 1945 experience. While the homicide rate showed a decided increase in the first half of 1946 and then began tapering off during the third quarter, suicide showed a third quarter rate somewhat higher than its rate for the first six months. August and September, 1946 show fewer accidental deaths than in the corresponding months of 1945 and reflects the trend in motor vehicle fatalities. For the first time in 17 months, deaths from automobile accidents in July, August, and September, 1946 were lower than those in the same months of the previous year.

When the first nine months mortality of 1945 and 1946 are compared by age group, only the groups, under one month, the 15-24, and the 65 years and over show increases. Among those aged 15-24, decreases in deaths from diabetes, pneumonia, tuberculosis, and the remaining communicable diseases were more than overshadowed by increases in cancer deaths, suicides, and accidental deaths. Accidental deaths alone accounted for 87% of the increase in this age group. Almost 85% of the increased deaths among those over 65 was due to heart disease deaths with the remainder evenly divided between pneumonia and cancer deaths. The largest decrease seen in any age group was for children aged 5-14 and was due to fewer deaths from accidents, heart disease, and pneumonia, the three leading causes of death among children of this age.

On the basis of the first nine months' experience, the crude death rate should be approximately 11 per thousand population. With our population reverting to a normal peace time basis, it is to be expected that the crude death rate should be lower than in the war years. However, it is significant that the rate of 11 per thousand population is almost the same as our most favorable prewar experience, despite the fact that year by year we have an ever aging population.

Table I on the next page presents statistics of all live births and deaths occurring in Illinois during the first nine months of 1946. In Tables II - VII these occurrences are allocated to the region of residence. Table VIII lists the number of live births, stillbirths, and deaths which occurred in each county.

TABLE I LIVE BIRTHS AND DEATHS IN ILLINOIS

FIRST NINE MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Unk.
Live births	111,697	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Deaths - all causes	66,016	3,627	4,280	688	1,446	5,755	20,508	33,319	20
Selected causes of death, total	61,373	3,449	3,986	581	1,249	5,207	19,347	30,988	15
Diseases of infancy	2,917	2,794	2,847	18	19	22	10	1	--
Maternal causes	174	xxx	xxx	1	47	125	1	--	--
Communicable diseases, total	979	47	123	106	68	166	355	160	1
Diphtheria	21	1	5	9	4	1	1	1	--
Dysentery - all forms	16	1	1	1	--	6	4	4	--
Encephalitis	13	1	2	--	--	1	6	4	--
Measles	51	5	31	14	2	1	2	1	--
Meningitis	60	7	20	11	8	8	12	1	--
Poliomyelitis	121	1	13	54	32	18	4	--	--
Scarlet fever	7	--	1	2	3	1	--	--	--
Syphilis	557	15	16	--	7	108	301	124	1
Typhoid & paratyphoid fever	8	--	--	1	--	4	2	1	--
Whooping cough	23	13	22	1	--	--	--	--	--
Other communicable diseases	102	3	12	13	12	18	23	24	--
Acute respiratory diseases	2,280	328	431	39	43	233	602	932	--
Influenza	199	18	39	4	8	16	33	99	--
Pneumonia	2,081	310	392	35	35	217	569	833	--
Tuberculosis - all forms	2,279	16	63	41	248	785	848	294	--
Pulmonary tuberculosis	2,062	8	27	21	220	721	801	272	--
Accidents - all forms	3,851	65	215	214	406	663	943	1,402	8
Motor vehicle	1,153	5	54	95	216	240	296	252	--
Home	1,267	50	123	32	21	102	199	790	--
Occupational	383	xxx	xxx	xxx	34	137	160	52	--
Public	1,048	10	38	87	135	184	288	308	8
Cancer	9,547	4	26	19	65	747	4,120	4,570	--
Cerebral hemorrhage	5,257	6	12	2	19	186	1,534	3,504	--
Diabetes	1,927	1	2	5	16	94	723	1,086	1
Diseases of digestive system	2,803	181	228	53	61	408	1,122	931	--
Cirrhosis of the liver	727	1	2	2	4	106	375	238	--
Diarrhea and enteritis	198	136	153	5	1	6	9	24	--
Goiter	162	--	--	--	4	28	74	56	--
Heart disease	23,493	4	13	41	117	1,139	7,365	14,814	4
Coronary	5,399	--	--	--	5	313	2,279	2,802	--
Chronic rheumatic	1,128	1	4	21	51	204	391	457	--
Homicide	290	2	4	7	43	139	85	12	--
Nephritis	4,226	1	16	18	43	262	1,190	2,696	1
Prostatic disease	442	--	--	--	1	1	61	379	--
Rheumatic fever	48	--	6	16	5	12	5	4	--
Suicide	698	--	--	1	44	197	309	147	--
All other causes	4,264	165	266	92	147	470	1,054	2,234	1
Cause as yet unassigned	379	13	28	15	50	78	107	97	4

TABLE II DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA

FIRST NINE MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Unk.
Deaths - all causes	37,363	1,941	2,281	341	756	3,675	13,463	16,845	2
Selected causes of deaths, total	35,335	1,857	2,129	292	658	3,401	12,898	15,956	1
Diseases of infancy	1,594	1,533	1,559	6	8	15	5	1	--
Maternal causes	94	xxx	xxx	--	23	71	--	--	--
Communicable diseases, total	442	22	49	52	28	78	168	67	--
Diphtheria	15	1	2	7	3	1	1	1	--
Dysentery - all forms	7	--	--	1	--	3	2	1	--
Encephalitis	4	--	--	--	--	--	4	--	--
Measles	18	2	11	6	1	--	--	--	--
Meningitis	38	4	13	6	4	6	8	1	--
Poliomyelitis	56	--	5	28	12	10	1	--	--
Scarlet fever	1	--	--	--	--	1	--	--	--
Syphilis	253	8	8	--	4	44	142	55	--
Typhoid & paratyphoid fever	2	--	--	--	--	2	--	--	--
Whooping cough	8	6	7	1	--	--	--	--	--
Other communicable diseases	40	1	3	3	4	11	10	9	--
Acute respiratory diseases	1,410	194	249	20	21	173	460	487	--
Influenza	59	6	17	--	3	7	13	19	--
Pneumonia	1,351	188	232	20	18	166	447	468	--
Tuberculosis - all forms	1,579	13	51	27	188	570	598	145	--
Pulmonary tuberculosis	1,411	8	23	10	167	522	558	131	--
Accidents - all forms	1,885	38	104	104	146	298	587	645	1
Motor vehicle	534	--	20	49	77	91	168	129	--
Home	607	33	71	14	12	65	135	310	--
Occupational	161	xxx	xxx	xxx	10	50	74	27	--
Public	583	5	13	41	47	92	210	179	1
Cancer	5,690	2	17	12	37	480	2,695	2,449	--
Cerebral hemorrhage	2,629	2	5	2	13	124	959	1,526	--
Diabetes	1,174	1	2	1	6	53	492	620	--
Diseases of digestive system	1,649	50	74	19	31	278	769	478	--
Cirrhosis of the liver	510	1	2	1	2	90	282	133	--
Diarrhea and enteritis	40	24	30	--	1	3	4	2	--
Goiter	101	--	--	--	4	16	51	30	--
Heart disease	13,913	2	6	25	77	823	5,023	7,959	--
Coronary	2,670	--	--	--	3	195	1,287	1,185	--
Chronic rheumatic	629	1	2	15	37	145	262	168	--
Homicide	212	--	1	6	33	106	60	6	--
Nephritis	2,355	--	10	7	24	186	774	1,354	--
Prostatic disease	221	--	--	1	--	18	85	117	--
Rheumatic fever	26	--	2	10	2	10	1	1	--
Suicide	361	--	--	--	17	102	171	71	--
All other causes	1,874	80	139	46	75	236	512	866	--
Cause as yet unassigned	154	4	13	3	23	38	53	23	1

Region 1 - Chicago Metropolitan Area - 1940 population: Total 4,532,332; Urban
4,256,601, Rural 275,731.

Counties: Cook, DuPage, Kane, Lake, and Will.

TABLE III DEATHS AMONG RESIDENTS OF THE NORTHERN AREA

FIRST NINE MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Unk.
Deaths - all causes	6,987	405	498	102	131	525	1,770	3,958	3
Selected causes of death, total	6,438	387	467	81	112	459	1,654	3,662	3
Diseases of infancy	344	314	328	8	4	3	1	--	--
Maternal causes	17	xxx	xxx	1	4	12	--	--	--
Communicable diseases, total	191	5	19	13	8	49	79	23	--
Diphtheria	1	--	1	--	--	--	--	--	--
Dysentery - all forms	2	1	1	--	--	1	--	--	--
Encephalitis	3	--	--	--	--	1	--	2	--
Measles	16	--	9	4	1	1	1	--	--
Meningitis	7	1	1	2	--	1	3	--	--
Poliomyelitis	21	--	1	6	6	6	2	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	130	1	1	--	1	36	71	21	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	2	1	2	--	--	--	--	--	--
Other communicable diseases	9	1	3	1	--	3	2	--	--
Acute respiratory diseases	256	34	49	8	3	22	44	130	--
Influenza	30	3	6	2	--	--	2	20	--
Pneumonia	226	31	43	6	3	22	42	110	--
Tuberculosis - all forms	219	1	4	7	16	64	79	49	--
Pulmonary tuberculosis	206	--	2	7	15	57	78	47	--
Accidents - all forms	417	5	28	27	44	72	80	165	1
Motor vehicle	130	2	10	9	23	33	28	27	--
Home	151	2	9	4	2	8	25	103	--
Occupational	41	xxx	xxx	xxx	4	18	13	6	--
Public	95	1	9	14	15	13	14	29	1
Cancer	921	--	5	--	2	59	320	535	--
Cerebral hemorrhage	591	2	3	--	3	14	135	436	--
Diabetes	184	--	--	2	3	12	54	113	--
Diseases of digestive system	280	26	28	6	5	38	89	114	--
Cirrhosis of the liver	53	--	--	--	--	4	24	25	--
Diarrhea and enteritis	30	22	23	--	--	1	3	3	--
Goiter	13	--	--	--	--	1	4	8	--
Heart disease	2,481	--	1	3	7	74	646	1,748	2
Coronary	779	--	--	--	--	32	280	467	--
Chronic rheumatic	99	--	--	--	3	13	35	48	--
Homicide	8	--	--	1	--	2	3	2	--
Nephritis	392	--	1	2	7	20	82	280	--
Prostatic disease	48	--	--	--	--	--	3	45	--
Rheumatic fever	7	--	1	3	1	--	2	--	--
Suicide	69	--	--	--	5	17	33	14	--
All other causes	521	18	27	18	15	62	113	286	--
Cause as yet unassigned	28	--	4	3	4	4	3	10	--

Region 2 - Northern Area - 1940 population: Total 782,703; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, DeKalb, Grundy, Henry, Jo Daviess, Kankakee, Kendall, LaSalle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.

TABLE IV DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA

FIRST NINE MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- rec.
Deaths - all causes	1,800	119	131	15	41	142	446	1,025	
Selected causes of death, total	1,607	108	118	13	36	120	415	905	
Diseases of infancy	84	79	80	1	--	--	3	--	
Maternal causes	8	xxx	xxx	--	2	6	--	--	
Communicable diseases, total	42	5	7	1	1	7	16	10	
Diphtheria	--	--	--	--	--	--	--	--	
Dysentery - all forms	1	--	--	--	--	--	1	--	
Encephalitis	1	--	--	--	--	--	1	--	
Measles	1	--	1	--	--	--	--	--	
Meningitis	3	2	3	--	--	--	--	--	
Polio myelitis	1	--	--	1	--	--	--	--	
Scarlet fever	--	--	--	--	--	--	--	--	
Syphilis	31	1	1	--	--	7	14	9	
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	
Whooping cough	2	2	2	--	--	--	--	--	
Other communicable diseases	2	--	--	--	1	--	--	1	
Acute respiratory diseases	49	5	6	--	--	4	11	28	
Influenza	6	--	--	--	--	--	2	4	
Pneumonia	43	5	6	--	--	4	9	24	
Tuberculosis - all forms	54	--	--	--	5	19	16	14	
Pulmonary tuberculosis	50	--	--	--	4	18	16	12	
Accidents - all forms	128	2	3	5	20	16	16	68	
Motor vehicle	28	--	1	2	11	7	4	3	
Home	66	2	2	--	1	2	5	56	
Occupational	11	xxx	xxx	xxx	1	6	4	--	
Public	23	--	--	3	7	1	3	9	
Cancer	261	--	--	2	1	21	98	139	
Cerebral hemorrhage	131	1	1	--	1	5	26	98	
Diabetes	53	--	--	--	--	2	21	30	
Diseases of digestive system	93	16	18	1	3	4	30	37	
Cirrhosis of the liver	17	--	--	--	1	--	8	8	
Diarrhea and enteritis	18	14	15	--	--	--	1	2	
Goiter	2	--	--	--	--	1	--	1	
Heart disease	551	--	1	1	1	23	144	381	
Coronary	153	--	--	--	--	9	59	85	
Chronic rheumatic	52	--	1	1	1	7	10	32	
Homicide	5	--	--	--	1	1	2	1	
Nephritis	107	--	1	2	--	4	22	78	
Prostatic disease	20	--	--	--	--	--	4	16	
Rheumatic fever	1	--	1	--	--	--	--	--	
Suicide	18	--	--	--	1	7	6	4	
All other causes	190	11	13	2	5	21	30	119	
Cause as yet unassigned	3	--	--	--	--	1	1	1	

Region 3 - Peoria Metropolitan Area - 1940 population; Total 211,736; Urban 139,211;
Rural 72,525.

Counties: Peoria and Tazewell.

TABLE V DEATHS AMONG RESIDENTS OF THE CENTRAL AREA

FIRST NINE MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Unk.
Deaths - all causes	10,648	600	711	110	216	564	2,459	6,583	5
Selected causes of death, total	9,768	563	657	91	183	503	2,290	6,042	2
Diseases of infancy	466	449	458	2	3	2	1	--	--
Maternal causes	23	xxx	xxx	--	7	16	--	--	--
Communicable diseases, total	139	6	21	16	8	15	50	29	--
Diphtheria	2	--	1	1	--	--	--	--	--
Dysentery - all forms	4	--	--	--	--	2	--	2	--
Encephalitis	3	1	1	--	--	--	1	1	--
Measles	7	--	4	2	--	--	--	1	--
Meningitis	6	--	3	--	1	1	1	--	--
Poliomyelitis	13	--	2	6	4	1	--	--	--
Scarlet fever	1	--	--	1	--	--	--	--	--
Syphilis	72	2	2	--	1	7	44	18	--
Typhoid & paratyphoid fever	2	--	--	--	--	1	1	--	--
Whooping cough	6	3	6	--	--	--	--	--	--
Other communicable diseases	23	--	2	6	2	3	3	7	--
Acute respiratory diseases	278	50	64	9	6	11	40	148	--
Influenza	38	2	7	--	1	3	7	20	--
Pneumonia	240	48	57	9	5	8	33	128	--
Tuberculosis - all forms	186	--	5	3	17	41	85	35	--
Pulmonary tuberculosis	169	--	2	1	16	35	83	32	--
Accidents - all forms	677	13	46	29	84	93	114	310	1
Motor vehicle	210	2	16	13	50	36	43	52	--
Home	251	9	19	5	2	13	15	197	--
Occupational	70	xxx	xxx	xxx	9	20	31	10	--
Public	146	2	11	11	23	24	25	51	1
Cancer	1,407	2	3	2	4	74	504	820	--
Cerebral hemorrhage	1,053	1	2	--	2	22	194	833	--
Diabetes	319	--	--	--	5	19	92	203	--
Diseases of digestive system	408	39	49	16	12	43	122	166	--
Cirrhosis of the liver	68	--	--	1	1	6	24	36	--
Diarrhea and enteritis	43	29	33	1	--	--	1	8	--
Goiter	29	--	--	--	--	5	12	12	--
Heart disease	3,739	1	3	8	18	95	847	2,767	1
Coronary	1,082	--	--	--	1	37	382	662	--
Chronic rheumatic	177	--	1	4	6	18	43	105	--
Homicide	21	1	2	--	2	8	8	1	--
Nephritis	787	1	3	5	5	24	160	590	--
Prostatic disease	99	--	--	--	--	--	5	94	--
Rheumatic fever	6	--	1	1	--	1	1	2	--
Suicide	131	--	--	--	10	34	55	32	--
All other causes	812	35	52	16	25	50	153	516	--
Cause as yet unassigned	68	2	2	3	8	11	16	25	3

Region 4 - Central Area - 1940 population; Total 1,331,175; Urban 551,587; Rural 779,588.

Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Coles, Cumberland, DeWitt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Macon, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.

TABLE VI DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA

FIRST NINE MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Unk.
Deaths - all causes	2,468	190	205	39	63	222	641	1,298	--
Selected causes of death, total	2,208	180	191	31	54	193	576	1,163	--
Diseases of infancy	129	128	128	--	1	--	--	--	--
Maternal causes	5	xxx	xxx	--	3	2	--	--	--
Communicable diseases, total	41	4	5	8	2	3	14	9	--
Diphtheria	--	--	--	--	--	--	--	--	--
Dysentery - all forms	--	--	--	--	--	--	--	--	--
Encephalitis	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	1	--	--	1	--	--	--	--	--
Poliomyelitis	11	1	1	6	2	1	1	--	--
Scarlet fever	1	--	1	--	--	--	--	--	--
Syphilis	23	2	2	--	--	2	11	8	--
Typhoid & paratyphoid fever	1	--	--	--	--	--	1	--	--
Whooping cough	1	1	1	--	--	--	--	--	--
Other communicable diseases	3	--	--	1	--	--	1	1	--
Acute respiratory diseases	91	14	16	--	3	10	17	45	--
Influenza	15	3	3	--	--	2	4	6	--
Pneumonia	76	11	13	--	3	8	13	39	--
Tuberculosis - all forms	62	--	--	2	6	34	9	11	--
Pulmonary tuberculosis	60	--	--	1	5	34	9	11	--
Accidents - all forms	171	2	7	13	20	32	32	67	--
Motor vehicle	59	--	1	6	11	13	11	17	--
Home	61	2	6	2	3	5	8	37	--
Occupational	21	xxx	xxx	xxx	--	6	10	5	--
Public	30	--	--	5	6	8	3	8	--
Cancer	270	--	--	--	3	19	100	148	--
Cerebral hemorrhage	230	--	--	--	--	5	63	162	--
Diabetes	61	--	--	1	--	--	21	39	--
Diseases of digestive system	110	31	32	3	3	10	27	35	--
Cirrhosis of the liver	30	--	--	--	--	1	14	15	--
Diarrhea and enteritis	33	30	31	1	--	--	--	1	--
Goiter	3	--	--	--	--	2	--	1	--
Heart disease	825	--	1	2	6	52	229	535	--
Coronary	184	--	--	--	1	17	87	79	--
Chronic rheumatic	44	--	--	1	1	11	13	18	--
Homicide	13	1	1	--	1	7	4	--	--
Nephritis	152	--	1	1	2	5	46	97	--
Prostatic disease	8	--	--	--	--	--	3	5	--
Rheumatic fever	3	--	--	1	--	1	1	--	--
Suicide	34	--	--	--	4	11	10	9	--
All other causes	219	6	10	6	5	23	51	124	--
Cause as yet unassigned	41	4	4	2	4	6	14	11	--

Region 5 - East St. Louis Metropolitan Area - 1940 population: Total 316,248; Urban 213,175; Rural 103,073.

Counties: Madison and St. Clair.

TABLE VII DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA

FIRST NINE MONTHS, 1946

	Total	Under 1 yr.	0-4 yrs	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs & over	Unk
Deaths - all causes	5,112	320	385	68	98	355	1,157	3,044	5
Selected causes of death, total	4,535	304	359	62	82	323	1,035	2,670	4
Diseases of infancy	255	251	252	1	--	2	--	--	--
Maternal causes	23	--	--	--	6	16	1	--	--
Communicable diseases, total	97	5	18	14	8	13	23	20	1
Diphtheria	3	--	1	1	1	--	--	--	--
Dysentery - all forms	2	--	--	--	--	--	1	1	--
Encephalitis	2	--	1	--	--	--	--	1	--
Measles	8	3	6	1	--	--	1	--	--
Meningitis	3	--	--	2	1	--	--	--	--
Poliomyelitis	15	--	4	7	4	--	--	--	--
Scarlet fever	1	--	--	1	--	--	--	--	--
Syphilis	40	1	1	--	1	11	15	11	1
Typhoid & paratyphoid fever	3	--	--	1	--	1	--	1	--
Whooping cough	2	--	2	--	--	--	--	--	--
Other communicable diseases	18	1	3	1	1	1	6	6	--
Acute respiratory diseases	157	27	40	2	3	9	21	82	--
Influenza	47	4	6	2	3	3	5	28	--
Pneumonia	110	23	34	--	--	6	16	54	--
Tuberculosis - all forms	133	2	2	1	10	37	48	35	--
Pulmonary tuberculosis	127	--	--	1	9	37	45	35	--
Accidents - all forms	344	3	22	30	34	70	66	122	--
Motor vehicle	104	--	4	14	19	28	22	17	--
Home	114	2	14	5	1	5	10	79	--
Occupational	54	xxx	xxx	xxx	4	25	22	3	--
Public	72	1	4	11	10	12	12	23	--
Cancer	629	--	1	2	2	51	195	378	--
Cerebral hemorrhage	523	--	1	--	--	10	125	387	--
Diabetes	116	--	--	1	--	7	39	68	1
Diseases of digestive system	199	15	22	6	5	20	59	87	--
Cirrhosis of the liver	38	--	--	--	--	3	15	20	--
Diarrhea and enteritis	28	14	17	2	--	1	--	8	--
Goiter	9	--	--	--	--	2	5	2	--
Heart disease	1,580	1	1	2	4	41	340	1,191	1
Coronary	397	--	--	--	--	13	127	257	--
Chronic rheumatic	110	--	--	--	2	9	22	77	--
Homicide	20	--	--	--	4	9	5	2	--
Nephritis	360	--	--	1	1	18	83	256	1
Prostatic disease	28	--	--	--	--	--	1	27	--
Rheumatic fever	2	--	--	1	--	--	--	1	--
Suicide	60	--	--	1	5	18	24	12	--
All other causes	523	14	22	2	8	24	108	358	1
Cause as yet unassigned	54	2	4	4	8	8	14	16	--

Region 6 - Southern Area - 1940 population: Total 723,047; Urban 228,885; Rural 494,162.

Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.

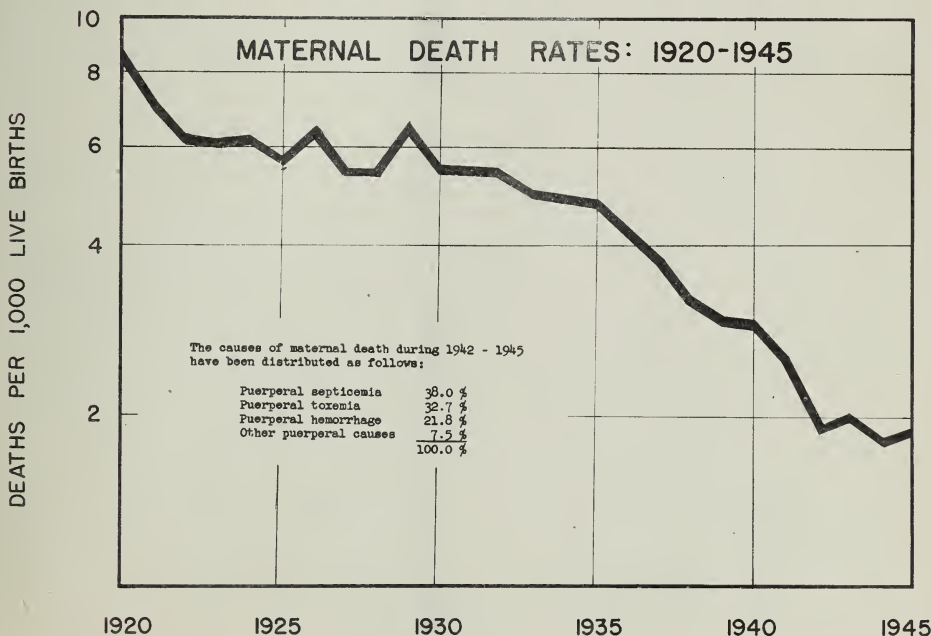
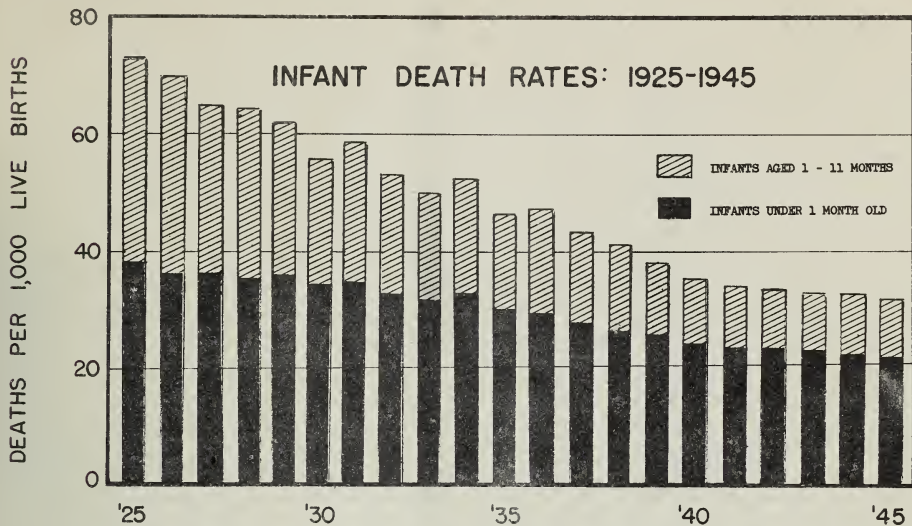
TABLE VIII LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE
ILLINOIS, FIRST NINE MONTHS, 1946

Area	Live Births	Still-births	Deaths	Area	Live Births	Still-births	Deaths
Entire State	111,697	2,543	66,016	LaSalle	1,522	34	833
Chicago	46,147	1,146	27,760	Lawrence	116	2	136
Downstate	65,550	1,397	38,256	Lee	482	5	425
Adams	974	26	659	Livingston	463	7	304
Alexander	497	18	250	Logan	414	7	281
Bond	24	1	67	McDonough	450	10	245
Boone	279	5	142	McHenry	442	12	285
Brown	42	--	43	McLean	1,215	16	682
Bureau	608	12	300	Macon	1,608	36	751
Calhoun	70	2	33	Macoupin	234	9	236
Carroll	216	8	134	Madison	2,574	58	1,289
Cass	222	4	127	Marion	776	29	306
Champaign	1,508	16	526	Marshall	9	1	63
Christian	536	8	260	Mason	44	--	91
Clark	74	--	116	Massac	174	6	103
Clay	94	5	81	Menard	38	--	44
Clinton	269	4	153	Mercer	12	--	88
Coles	637	14	334	Monroe	12	--	72
Cook	57,331	1,359	34,067	Montgomery	610	8	347
Crawford	274	6	176	Morgan	522	10	589
Cumberland	52	2	66	Moultrie	52	1	76
DeKalb	655	16	319	Ogle	204	2	186
DeWitt	151	3	139	Peoria	3,005	47	1,600
Douglas	258	10	122	Perry	393	10	168
DuPage	1,006	16	771	Piatt	80	3	68
Edgar	332	1	211	Pike	250	3	149
Edwards	48	3	64	Pope	49	1	45
Effingham	506	9	208	Pulaski	93	4	93
Fayette	317	9	187	Putnam	2	--	13
Ford	153	4	101	Randolph	379	10	221
Franklin	404	10	327	Richland	479	14	179
Fulton	561	3	325	Rock Island	1,923	40	1,120
Gallatin	104	3	75	St. Clair	2,409	84	1,373
Greene	264	4	132	Saline	634	13	311
Grundy	234	9	145	Sangamon	1,991	49	1,137
Hamilton	149	3	75	Schuyler	70	2	78
Hancock	136	2	136	Scott	14	--	51
Hardin	97	6	60	Shelby	230	5	172
Henderson	14	--	37	Stark	16	--	38
Henry	627	16	358	Stephenson	806	21	382
Iroquois	385	8	217	Tazewell	600	13	303
Jackson	630	18	289	Union	270	10	343
Jasper	40	4	62	Vermilion	1,342	28	805
Jefferson	541	13	255	Wabash	77	1	93
Jersey	96	5	77	Warren	387	4	186
Jo Daviess	64	3	121	Washington	43	--	96
Johnson	85	2	73	Wayne	167	1	103
Kane	3,002	47	1,631	White	170	2	103
Kankakee	934	19	1,132	Whiteside	643	15	283
Kendall	6	--	51	Will	1,797	36	919
Knox	762	18	497	Williams	772	18	382
Lake	2,106	53	1,049	Winnebago	2,231	49	900
				Woodford	28	--	90

INFANT AND MATERNAL MORTALITY IN ILLINOIS

11

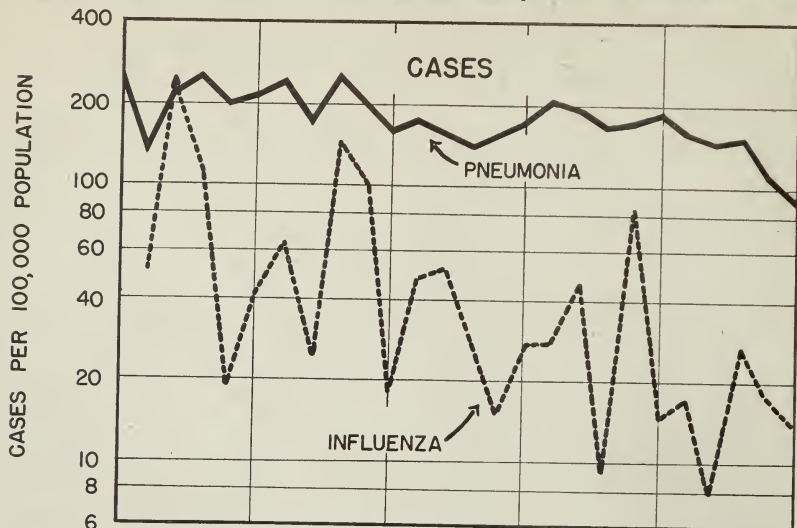
A baby born on July 1, 1946 had a fifty-fifty chance of living until August 13, 2011. On the same date a baby one year old had a fifty-fifty chance of living until April 18, 2012. One year olds have greater life expectancy than the newborn largely because so many babies die in the first month of life.



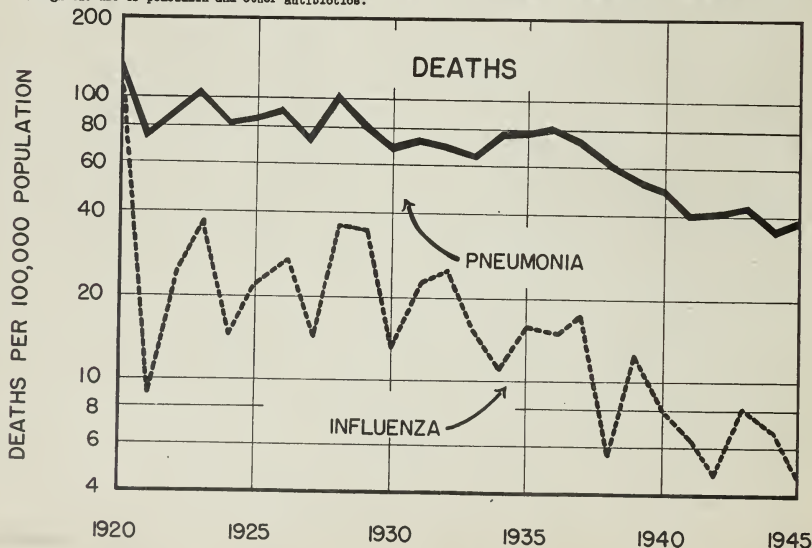
Note: This is a Ratio Chart - Equal vertical distances represent equal PERCENTAGE changes in the rates

PNEUMONIA AND INFLUENZA IN ILLINOIS, 1920-1945

Pneumonia and influenza outbreaks usually occur together and follow an almost cyclical pattern. After a severe outbreak of these infections a lull of a year or two takes place before a new epidemic comes along. Case reports in Illinois show that if these diseases were as prevalent now as twenty-five years ago we would be having five times more influenza and one and two-thirds more pneumonia than is now reported.



Deaths from pneumonia and influenza follow closely the pattern of case reports. Mortality from pneumonia since 1937 has dropped much more sharply than cases because of the great advances in treatment. Pneumonia suddenly became less fatal when specific serum came into general use during the late thirties. Then came the sulfa drugs whose liberal use had been successful in treating many pneumonias and apparently wards off pneumonias which would otherwise complicate influenza and other illnesses. Recently the treatment of pneumonias became more effective through the use of penicillin and other antibiotics.



Note: This is a Ratio Chart - Equal vertical distances represent equal PERCENTAGE changes in the rates

HEALTH STATISTICS BULLETIN

State of Illinois
Dwight H. Green
Governor



Department of Public Health
Roland R. Cross, M.D.
Director

Division of Vital Statistics & Records—O. K. Sagen, Ph.D., Chief

1946 Series, No. 3

Springfield, Illinois

March 1, 1947

PROVISIONAL VITAL STATISTICS OF 1946 GROWTH OF POPULATION

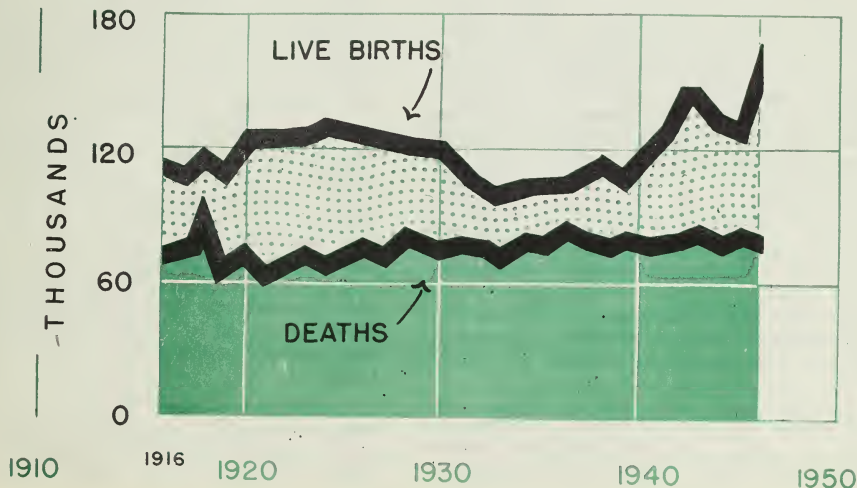
8,180,000

A record-breaking 170,921 livebirths were registered in Illinois for the year 1946. At the same time only 88,373 deaths occurred in the state. The excess of births over deaths provides the state with a natural increase in population amounting to 82,548 persons. The 1946 birth rate of 20.9 livebirths per 1,000 population is the highest in the history of Illinois vital statistics. The low rate of 10.8 deaths per 1,000 population in 1946 is near the all time low of 10.6 encountered in 1933.

Underneath this text is plotted the July 1 population in Illinois for each year from 1910 to 1946. At the bottom of the page are shown the births and deaths which occurred in the state since 1916. No reliable figures on births and deaths in Illinois were collected before 1916.

Despite recent high birth rates, the population is not now growing as rapidly as in the years after World War I, because fewer new residents are entering the state. Lack of in-migration is partially offset by progress in the prevention of early death from disease. But this saving of lives (as evidenced by low death rates) is also causing substantial increases each year in the number of old people. Coupled with large increases in the child population, this has the effect of making many more persons dependent on relatively fewer people in the productive years of life.

5,667,861



MORTALITY IN ILLINOIS DURING 1946

THE BRIGHT SIDE

The year 1946 began with a rather high mortality in the first three months brought about by a fairly widespread outbreak of influenza and pneumonia that started in late 1945. Despite this poor beginning the conditions during the remainder of the year were so favorable that the mortality for the year as a whole was only 10.8 deaths per 1,000 persons in the state. In the last 30 years this rate has been bettered only 3 times and equalled only 3 times. Although the population of the state is estimated to have increased nearly half a million, there were only 158 more deaths in 1946 than in 1945.

The fact that low mortality exists, in spite of an aging population wherein year by year an ever increasing proportion faces greater likelihood of death, is encouraging evidence of progress in the saving of life. If present death rates were standardized against what has been taken to be a standard distribution of people into age groups, the resulting standardized rates would be generally lower than those heretofore encountered, even for such causes as now give very high crude death rates.

The greatest number of deaths (and therefore the highest crude death rate) is seen in heart disease. Every year sees a great number of heart deaths, but in 1946 the crude rate dropped to 384 per 100,000 population from the 408 in 1945. This drop in the rate comes from the fact that the increase in deaths from this cause did not keep pace with the growth of population. A similar situation is observed for cancer, where the crude rate fell off from 164 in 1945 to 157 per 100,000 population in 1946, even though the total number of deaths increased. Other leading diseases having lower crude rates for the same reason were cerebral hemorrhage, diabetes, nephritis, and diseases of the digestive system.

The most outstanding progress in saving lives was among newborn babies and their mothers. Despite the great number of births in 1946, which taxed obstetric

and pediatric facilities to the greatest extent ever, deaths associated with childbearing reached an all time low of 1.3 maternal deaths per 1,000 livebirths and deaths of babies under 1 year of age dropped to 30.3 infant deaths per 1,000 live births, the lowest in history.

TABLE A--PROVISIONAL VITAL
STATISTICS RATES FOR ILLINOIS

	1946	1945
Deaths per 1,000 population	10.8	11.4
Live births per 1,000 population	20.9	17.3

Stillbirths per 1,000 live births	21.3	21.9
Infant deaths per 1,000 live births	30.3	31.8
Maternal deaths per 1,000 live births	1.3	1.8

Although the stillbirth rate is also at a minimum, it is hazardous to draw conclusions because the reporting of stillbirths is far from complete and there is no way of knowing whether the reporting is better or worse now than before. What evidence there is indicates that better and more prenatal care is being given the expectant mother and that this helps save lives. Continued improvement is possible, as can be seen from comparing conditions in the various parts of the state. In the city of Chicago the infant and maternal death rates are 28.8 and 1.2 per 1,000 live births, respectively; in the rest of the state the infant death rate is 31.3 and the maternal death rate 1.5. The fact that these rates are based on occurrences rather than residence makes the disparity more important, because Chicago, as an important medical center, tends to draw into the city many cases with complications.

Incidental good news is the fact that for the 8th successive year there has not been a death from smallpox in the state. However, as long as even a few

cases of the disease occur it remains a threat and requires continued immunization against the disease. Deaths from meningitis were almost halved and indications are that the wartime boom in this disease has nearly been abated.

TABLE B--CRUDE DEATH RATES
FOR THE TEN LEADING CAUSES

Deaths per 100,000 population

	1946	1945
Heart disease	383.5	408.2
Cancer	157.1	164.4
Cerebral hemorrhage	86.1	92.5
Nephritis	68.1	78.4
Accidents	64.3	64.7
(Motor vehicle)	(20.4)	(18.6)
Influenza and Pneumonia	36.9	41.3
Tuberculosis	36.1	40.0
Diabetes	31.1	34.7
Premature birth	23.8	17.6
Arteriosclerosis	18.6	21.0

THE DARK SIDE

The adverse events of 1946 which come most readily to mind are the epidemic of poliomyelitis and two tragic accidents. There were 171 deaths from polio, nearly double the number in 1945 and 19 more than the previous high of 152 deaths in 1943. The railroad wreck at Naperville in May led to 46 deaths and the holocaust at the LaSalle Hotel in Chicago caused 61 deaths. These two catastrophes significantly increased the proportion of deaths from public accidents for the year.

An epidemic and a spectacular wreck or fire focus attention because they, fortunately, are unusual. But the greatest dangers to life are unfortunately too often passed over just because they are familiar every day occurrences. Increased use of automobiles has brought on a sharp increase in auto accidents. The 1669 deaths from motor vehicle accidents in 1946 were 16% higher than in 1945 and almost 27% above the low reached in 1944 when the greatest restrictions on auto traffic were effective. While motor vehicle fatalities are well under the peak figure of 2600 reached in 1941, the trend

shows that we need not be surprised if that figure is soon approached or even passed. Probably the worst feature of the mortality from accidents is that it strikes heavily on children and on persons in the productive years of life. The importance of accidental death in this last group is demonstrated by the charts on page 12 of this bulletin.

While the downward trend of deaths from tuberculosis continued in 1946, this disease is always a great cause for concern because of its impact on individuals in the earlier years of maturity. The charts on the last page show tuberculosis as the second most frequent cause of death in persons in each of the age groups 15-24 and 25-44 years.

A prime cause for concern is the doubling of deaths from diphtheria in 1946 over 1945. Despite the fact that diphtheria can be prevented by immunization, the disease caused 13 deaths in 1946 among children under 5 years, as opposed to only 6 deaths in 1945. Similarly, the 9 deaths among children aged 5-14 were 3 more than for those ages during 1945. A new problem is created by the increase in diphtheria among adults. In 1946 there were 9 deaths from diphtheria in persons 15 years old and over as opposed to only 3 deaths in 1945; of the 9 deaths in this age group, 5 were in the ages 15 to 25.

Although death from whooping cough dropped off sharply in 1946, the 30 deaths from this cause make a tragic commentary on the failure to immunize all babies against the disease. Certain fatal infectious diseases usually infrequent as causes of death, were sharply higher in 1946 than in 1945. Tularemia accounted for 9 deaths as compared with 6 in 1945, and Rocky Mountain spotted fever caused 4 deaths in 1946 as opposed to none in the previous year.

Suicides and homicides increased sharply in 1946 over 1945. Suicide rates were at their lowest during the war period and were at their highest during the years of economic uncertainty from 1930 through 1934. Homicide was also very low during the war years.

TABLE I LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE

ILLINOIS, 1946

County	Population	Live Births	Still-births	Deaths	County	Population	Live Births	Still-births	Deaths
Entire State	8180000	170921	3645	88373	LaSalle	101625	2262	50	1080
Chicago	3600000	73800	1725	37267	Lawrence	20694	162	2	179
Downstate	4580000	97121	1920	51106	Lee	34944	712	8	564
Adams	62923	1468	38	883	Livingston	38188	684	13	388
Alexander	22509	750	30	320	Logan	28629	591	13	384
Bond	14071	35	1	86	McDonough	27281	643	16	342
Boone	15798	401	8	181	McHenry	40248	677	19	399
Brown	7005	55	--	58	McLean	70753	1751	24	913
Bureau	36278	846	17	416	Macon	90073	2452	53	980
Calhoun	7153	103	4	46	Macoupin	43695	356	10	315
Carroll	18696	335	14	175	Madison	175318	3883	89	1741
Cass	15151	320	10	170	Marion	43189	1144	42	409
Champaign	73964	2205	25	713	Marshall	12229	16	1	99
Christian	36387	799	12	354	Mason	14831	59	2	119
Clark	17004	104	--	147	Massac	13721	244	9	149
Clay	16903	159	7	111	Menard	9379	48	--	61
Clinton	21030	385	5	204	Mercer	17166	19	--	109
Coles	36894	953	21	455	Monroe	12702	16	--	94
Cook	4300502	90025	1944	45768	Montgomery	30915	910	12	460
Crawford	20164	411	7	231	Morgan	33925	771	20	773
Cumberland	10247	70	4	83	Moultrie	12309	78	1	106
DeKalb	35843	946	17	415	Ogle	30178	312	3	269
DeWitt	17170	224	6	176	Peoria	154366	4436	66	2105
Douglas	16124	394	12	165	Perry	22047	595	19	230
DuPage	120514	1474	29	999	Piatt	13457	123	4	100
Edgar	23567	486	4	280	Pike	22740	345	5	204
Edwards	8519	69	3	81	Pope	6309	69	1	58
Effingham	19603	752	15	267	Pulaski	14064	140	7	129
Fayette	25651	492	11	256	Putnam	4862	3	--	17
Ford	14481	221	4	140	Randolph	31788	569	15	302
Franklin	47797	603	13	448	Richland	15789	712	16	239
Fulton	44004	853	9	427	Rock Island	124888	2833	50	1514
Gallatin	9910	150	4	97	St. Clair	185914	3911	110	1877
Greene	19140	416	12	177	Saline	33483	992	16	408
Grundy	19850	330	10	183	Sangamon	122876	2966	63	1527
Hamilton	13406	231	5	106	Schuyler	10032	111	2	95
Hancock	25246	202	4	195	Scott	7108	18	1	67
Hardin	8381	149	9	77	Shelby	24194	351	6	220
Henderson	8282	23	--	46	Stark	8335	16	--	52
Henry	42443	955	27	462	Stephenson	41608	1153	27	520
Iroquois	30652	533	15	289	Tazewell	61243	860	19	400
Jackson	35781	1027	21	399	Union	20343	403	14	460
Jasper	11879	56	5	82	Vermilion	82061	1976	41	1075
Jefferson	34937	855	21	332	Wabash	14011	152	2	123
Jersey	13588	145	5	94	Warren	20517	571	6	258
Jo Daviess	21256	103	4	164	Washington	14777	64	1	120
Johnson	8984	132	3	86	Wayne	20017	239	2	133
Kane	139711	4334	65	2161	White	21211	239	2	141
Kankakee	65903	1412	23	1449	Whiteside	44290	983	21	397
Kendall	10765	7	--	62	Will	126675	2627	43	1263
Knox	51208	1186	23	663	Williamson	48553	1194	27	509
Lake	129840	3054	76	1366	Winnebago	134661	3196	70	1237
					Woodford	18675	46	--	115

TABLE II LIVE BIRTHS AND DEATHS IN ILLINOIS, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Unk.
Live births	170,921	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Deaths - all causes	88,373	5,171	6,043	904	1,863	7,692	27,442	44,407	22
Selected causes of death, total	82,233	4,900	5,620	768	1,599	6,957	25,922	41,350	17
Diseases of infancy	4,148	3,977	4,048	27	26	30	15	2	--
Maternal causes	229	xxx	xxx	1	57	169	2	--	--
Communicable diseases, total	1,298	68	172	125	86	218	479	217	1
Diphtheria	31	2	13	9	5	2	1	1	--
Dysentery - all forms	22	2	2	1	2	7	6	4	--
Encephalitis	21	1	4	1	--	2	9	5	--
Measles	53	5	33	14	2	1	2	1	--
Meningitis	73	10	26	12	9	9	14	3	--
Poliomyelitis	171	2	23	68	40	35	5	--	--
Scarlet fever	10	--	2	2	3	1	2	--	--
Syphilis	745	20	21	--	11	135	404	173	1
Typhoid & paratyphoid fever	10	--	--	1	1	4	3	1	--
Whooping cough	30	20	29	1	--	--	--	--	--
Other communicable diseases	132	6	19	16	13	22	33	29	--
Acute respiratory diseases	3,019	477	615	56	54	299	789	1,206	--
Influenza	237	25	54	6	9	19	37	112	--
Pneumonia	2,782	452	561	50	45	280	752	1,094	--
Tuberculosis - all forms	2,954	20	82	50	322	1,008	1,099	392	1
Pulmonary tuberculosis	2,680	9	33	27	290	930	1,038	361	1
Accidents - all forms	5,259	109	311	294	529	903	1,295	1,919	8
Motor vehicle	1,669	6	67	137	299	347	430	389	--
Home	1,727	89	195	51	30	144	262	1,045	--
Occupational	518	xxx	xxx	xxx	45	175	226	72	--
Public	1,345	14	49	106	155	237	377	413	8
Cancer	12,847	4	34	30	78	1,005	5,526	6,173	1
Cerebral hemorrhage	7,044	6	13	6	22	255	2,042	4,706	--
Diabetes	2,541	1	3	5	17	115	964	1,436	1
Diseases of digestive system	3,735	228	289	67	78	526	1,513	1,262	--
Cirrhosis of the liver	978	2	5	2	5	143	509	314	--
Diarrhea and enteritis	242	166	188	5	1	9	10	29	--
Goiter	201	--	--	--	4	36	94	67	--
Heart disease	31,373	5	16	54	143	1,522	9,948	19,686	4
Coronary	7,356	--	--	--	6	440	3,133	3,777	--
Chronic rheumatic	1,513	1	5	30	64	260	529	625	--
Homicide	450	2	7	9	64	235	117	18	--
Nephritis	5,568	2	21	23	57	358	1,536	3,572	1
Prostatic disease	582	--	--	--	1	1	84	496	--
Rheumatic fever	61	1	9	19	8	14	6	5	--
Suicide	924	xxx	xxx	2	53	263	413	193	--
All other causes	5,591	248	378	116	193	623	1,366	2,914	1
Cause as yet unassigned	549	23	45	20	71	112	154	143	4

TABLE III DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45- 64 yrs.	65 yrs. & over	Unk.
Deaths - all causes	50,159	2,810	3,252	457	961	4,919	18,103	22,463	4
Selected causes of death, total	47,442	2,679	3,036	389	834	4,522	17,281	21,377	3
Diseases of infancy	2,292	2,205	2,239	12	12	19	8	2	--
Maternal causes	124	xxx	xxx	--	29	94	1	--	--
Communicable diseases, total	592	33	72	61	39	108	225	87	--
Diphtheria	22	2	7	7	4	2	1	1	--
Dysentery - all forms	10	--	--	1	--	4	4	1	--
Encephalitis	7	--	1	--	--	1	5	--	--
Measles	18	2	11	6	1	--	--	--	--
Meningitis	48	5	17	6	5	7	10	3	--
Poliomyelitis	85	--	7	37	17	23	1	--	--
Scarlet fever	1	--	--	--	--	1	--	--	--
Syphilis	337	11	11	--	7	55	191	73	--
Typhoid & paratyphoid fever	3	--	--	--	1	2	--	--	--
Whooping cough	11	9	10	1	--	--	--	--	--
Other communicable diseases	50	4	8	3	4	13	13	9	--
Acute respiratory diseases	1,851	283	349	29	27	214	594	638	--
Influenza	72	11	24	--	3	8	15	22	--
Pneumonia	1,779	272	325	29	24	206	579	616	--
Tuberculosis - all forms	2,033	16	67	33	236	731	775	190	1
Pulmonary tuberculosis	1,822	9	29	13	213	670	726	170	1
Accidents - all forms	2,597	58	146	145	189	418	810	888	1
Motor vehicle	809	--	26	73	106	145	254	205	--
Home	816	50	102	24	15	88	172	415	--
Occupational	228	xxx	xxx	--	14	64	116	34	--
Public	744	8	18	48	54	121	268	234	1
Cancer	7,714	2	25	17	43	655	3,631	3,342	1
Cerebral hemorrhage	3,524	3	7	4	14	172	1,277	2,050	--
Diabetes	1,558	1	2	1	7	64	665	819	--
Diseases of digestive system	2,212	74	104	27	37	359	1,043	642	--
Cirrhosis of the liver	678	2	4	1	3	119	382	169	--
Diarrhea and enteritis	56	37	44	--	1	4	5	2	--
Goiter	126	--	--	--	4	23	64	35	--
Heart disease	18,633	3	8	32	96	1,085	6,826	10,586	--
Coronary	3,648	--	--	--	3	272	1,780	1,593	--
Chronic rheumatic	840	1	3	20	46	182	354	235	--
Homicide	325	--	1	6	45	180	82	11	--
Nephritis	3,056	--	12	9	29	248	997	1,761	--
Prostatic disease	290	--	--	--	1	1	56	232	--
Rheumatic fever	33	1	4	13	4	10	1	1	--
Suicide	482	xxx	xxx	--	22	141	226	93	--
All other causes	2,493	123	194	62	97	341	746	1,053	--
Cause as yet unassigned	224	8	22	6	30	56	76	33	1

Region 1 - Chicago Metropolitan Area - 1940 population: Total 4,532,332; Urban 4,256,601; Rural 275,731.

Counties: Cook, DuPage, Kane, Lake, and Will.

TABLE IV DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, 1946

	Total	Under 1 yr.	0-4 yrs	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Unk.
Deaths - all causes	9,335	567	691	132	169	691	2,338	5,311	3
Selected causes of death, total	8,609	540	641	107	142	607	2,183	4,926	3
Diseases of infancy	467	430	447	10	5	4	1	--	--
Maternal causes	22	xxx	xxx	1	4	17	--	--	--
Communicable diseases, total	246	8	25	16	13	57	100	35	--
Diphtheria	2	--	2	--	--	--	--	--	--
Dysentery - all forms	4	1	1	--	2	1	--	--	--
Encephalitis	7	--	1	--	--	1	2	3	--
Measles	16	--	9	4	1	1	1	--	--
Meningitis	8	2	2	2	--	1	3	--	--
Poliomyelitis	25	--	2	7	7	7	2	--	--
Scarlet fever	1	--	--	--	--	--	1	--	--
Syphilis	166	2	2	--	2	43	88	31	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	3	2	3	--	--	--	--	--	--
Other communicable diseases	14	1	3	3	1	3	3	1	--
Acute respiratory diseases	336	52	74	10	4	31	56	161	--
Influenza	37	4	8	3	--	1	2	23	--
Pneumonia	299	48	66	7	4	30	54	138	--
Tuberculosis - all forms	274	1	4	9	22	84	98	57	--
Pulmonary tuberculosis	259	--	2	9	21	77	95	55	--
Accidents - all forms	577	13	43	36	54	92	106	245	1
Motor vehicle	164	2	11	10	28	41	33	41	--
Home	235	10	22	9	3	13	32	156	--
Occupational	57	xxx	xxx	--	6	22	18	11	--
Public	121	1	10	17	17	16	23	37	1
Cancer	1,239	--	5	1	2	77	439	715	--
Cerebral hemorrhage	793	2	3	1	3	17	170	599	--
Diabetes	248	--	1	2	3	15	78	149	--
Diseases of digestive system	379	34	36	9	6	48	120	160	--
Cirrhosis of the liver	81	--	--	--	--	8	34	39	--
Diarrhea and enteritis	38	29	30	--	--	2	3	3	--
Goiter	18	--	--	--	--	1	5	12	--
Heart disease	3,304	--	1	5	8	108	846	2,334	2
Coronary	1,038	--	--	--	1	48	372	617	--
Chronic rheumatic	132	--	--	--	3	15	45	69	--
Homicide	10	--	--	1	--	3	4	2	--
Nephritis	526	--	1	3	10	29	109	374	--
Prostatic disease	67	--	--	--	--	--	5	62	--
Rheumatic fever	8	--	1	3	1	--	2	1	--
Suicide	95	xxx	xxx	--	7	24	44	20	--
All other causes	688	26	44	22	21	79	151	371	--
Cause as yet unassigned	38	1	6	3	6	5	4	14	--

Region 2 - Northern Area - 1940 population: Total 782,703; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, DeKalb, Grundy, Henry, Jo Daviess, Kankakee, Kendall, LaSalle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.

TABLE V DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over
Deaths - all causes	2,364	151	167	17	48	193	606	1,333
Selected causes of death, total	2,116	138	152	14	42	165	566	1,177
Diseases of infancy	112	106	107	1	--	--	4	--
Maternal causes	9	xxx	xxx	--	2	7	--	--
Communicable diseases, total	54	5	8	2	1	8	20	15
Diphtheria	1	--	1	--	--	--	--	--
Dysentery - all forms	1	--	--	--	--	--	1	--
Encephalitis	1	--	--	--	--	--	1	--
Measles	1	--	1	--	--	--	--	--
Meningitis	4	2	3	1	--	--	--	--
Poliomyelitis	1	--	--	1	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--
Syphilis	41	1	1	--	--	8	18	14
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--
Whooping cough	2	2	2	--	--	--	--	--
Other communicable diseases	2	--	--	--	1	--	--	1
Acute respiratory diseases	64	7	8	--	1	5	14	36
Influenza	6	--	--	--	--	--	2	4
Pneumonia	58	7	8	--	1	5	12	32
Tuberculosis - all forms	64	--	--	--	5	23	19	17
Pulmonary tuberculosis	60	--	--	--	4	22	19	15
Accidents - all forms	177	2	6	5	23	25	23	95
Motor vehicle	38	--	1	2	13	8	6	8
Home	96	2	5	--	2	6	7	76
Occupational	17	xxx	xxx	--	1	9	7	--
Public	26	--	--	3	7	2	3	11
Cancer	350	--	--	2	1	29	139	179
Cerebral hemorrhage	166	1	1	--	1	5	33	126
Diabetes	63	--	--	--	--	3	23	37
Diseases of digestive system	116	17	19	1	4	8	39	45
Cirrhosis of the liver	21	--	--	--	1	--	12	8
Diarrhea and enteritis	20	15	16	--	--	1	1	2
Goiter	2	--	--	--	--	1	--	1
Heart disease	726	--	1	1	1	28	205	490
Coronary	224	--	--	--	--	13	86	125
Chronic rheumatic	70	--	1	1	1	8	22	37
Homicide	11	--	--	--	2	6	2	1
Nephritis	153	--	1	2	--	6	32	112
Prostatic disease	23	--	--	--	--	--	4	19
Rheumatic fever	1	--	1	--	--	--	--	--
Suicide	25	xxx	xxx	--	1	11	9	4
All other causes	244	13	15	3	6	27	38	155
Cause as yet unassigned	4	--	--	--	--	1	2	1

Region 3 - Peoria Metropolitan Area - 1940 population; Total 211,736; Urban 139,211;
Rural 72,525.

Counties: Peoria and Tazewell.

TABLE VI DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Unk.
Deaths - all causes	14,212	852	1,011	147	286	756	3,268	8,739	5
Selected causes of death, total	13,043	799	934	124	239	671	3,051	8,022	2
Diseases of infancy	669	645	658	3	3	4	1	--	--
Maternal causes	32	xxx	xxx	--	9	23	--	--	--
Communicable diseases, total	196	9	29	20	9	21	75	42	--
Diphtheria	2	--	1	1	--	--	--	--	--
Dysentery - all forms	4	--	--	--	--	2	--	2	--
Encephalitis	4	1	1	1	--	--	1	1	--
Measles	7	--	4	2	--	--	--	1	--
Meningitis	7	1	4	--	1	1	1	--	--
Poliomyelitis	23	--	5	9	5	3	1	--	--
Scarlet fever	3	--	1	1	--	--	1	--	--
Syphilis	106	2	2	--	1	10	63	30	--
Typhoid & paratyphoid fever	2	--	--	--	--	1	1	--	--
Whooping cough	8	5	8	--	--	--	--	--	--
Other communicable diseases	30	--	3	6	2	4	7	8	--
Acute respiratory diseases	390	71	97	11	9	18	56	199	--
Influenza	48	2	10	--	2	3	9	24	--
Pneumonia	342	69	87	11	7	15	47	175	--
Tuberculosis - all forms	252	--	5	3	28	57	107	52	--
Pulmonary tuberculosis	230	--	2	1	26	50	103	48	--
Accidents - all forms	905	22	67	44	110	122	162	399	1
Motor vehicle	294	3	20	21	69	56	60	68	--
Home	327	17	34	7	5	14	26	241	--
Occupational	90	xxx	xxx	--	10	24	40	16	--
Public	194	2	13	16	26	28	36	74	1
Cancer	1,875	2	3	7	5	97	654	1,109	--
Cerebral hemorrhage	1,418	1	2	1	2	32	276	1,105	--
Diabetes	412	--	--	--	5	23	114	270	--
Diseases of digestive system	527	45	59	18	16	52	155	227	--
Cirrhosis of the liver	91	--	--	1	1	8	29	52	--
Diarrhea and enteritis	50	33	39	1	--	--	1	9	--
Goiter	34	--	--	--	--	5	15	14	--
Heart disease	4,928	1	4	8	21	123	1,133	3,638	1
Coronary	1,468	--	--	--	1	46	526	895	--
Chronic rheumatic	238	--	1	4	9	23	54	147	--
Homicide	32	1	2	--	4	11	13	2	--
Nephritis	1,071	2	6	7	7	42	210	799	--
Prostatic disease	130	--	--	--	--	--	9	121	--
Rheumatic fever	7	--	2	1	--	1	1	2	--
Suicide	165	xxx	xxx	1	11	40	70	43	--
All other causes	1,076	51	74	19	35	71	194	683	--
Cause as yet unassigned	93	2	3	4	12	14	23	34	3

Region 4 - Central Area - 1940 population; Total 1,331,175; Urban 551,587; Rural 779,588.

Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Coles, Cumberland, DeWitt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Macon, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.

TABLE VII DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs & over
Deaths - all causes	3,347	264	288	45	90	306	862	1,756
Selected causes of death, total	3,004	248	268	36	76	264	782	1,578
Diseases of infancy	189	186	186	--	2	1	--	--
Maternal causes	7	xxx	xxx	--	3	4	--	--
Communicable diseases, total	56	5	7	8	3	5	21	12
Diphtheria	--	--	--	--	--	--	--	--
Dysentery - all forms	--	--	--	--	--	--	--	--
Encephalitis	--	--	--	--	--	--	--	--
Measles	1	--	1	--	--	--	--	--
Meningitis	1	--	--	1	--	--	--	--
Poliomyelitis	12	1	1	6	3	1	1	--
Scarlet fever	1	--	1	--	--	--	--	--
Syphilis	35	3	3	--	--	4	18	10
Typhoid & paratyphoid fever	1	--	--	--	--	--	1	--
Whooping cough	1	1	1	--	--	--	--	--
Other communicable diseases	4	--	--	1	--	--	1	2
Acute respiratory diseases	118	18	20	--	3	15	27	53
Influenza	17	3	3	--	--	3	4	7
Pneumonia	101	15	17	--	3	12	23	46
Tuberculosis - all forms	88	--	1	3	9	41	19	15
Pulmonary tuberculosis	85	--	--	2	8	41	19	15
Accidents - all forms	243	5	12	15	31	45	44	96
Motor vehicle	93	--	1	7	18	21	17	29
Home	81	4	10	3	4	8	11	45
Occupational	26	xxx	xxx	--	1	8	11	6
Public	43	1	1	5	8	8	5	16
Cancer	371	--	--	--	3	26	147	195
Cerebral hemorrhage	321	--	--	--	--	8	88	225
Diabetes	79	--	--	1	--	--	26	52
Diseases of digestive system	147	33	36	3	4	17	39	48
Cirrhosis of the liver	41	--	1	--	--	3	18	19
Diarrhea and enteritis	37	32	34	1	--	--	--	2
Goiter	4	--	--	--	--	2	1	1
Heart disease	1,100	--	1	2	7	64	293	733
Coronary	266	--	--	--	1	25	121	119
Chronic rheumatic	56	--	--	1	1	13	14	27
Homicide	25	1	4	2	4	11	4	--
Nephritis	194	--	1	1	3	7	51	131
Prostatic disease	10	--	--	--	--	--	3	7
Rheumatic fever	4	--	--	1	--	2	1	--
Suicide	48	xxx	xxx	--	4	16	18	10
All other causes	278	10	14	7	7	32	60	158
Cause as yet unassigned	65	6	6	2	7	10	20	20

Region 5 - East St. Louis Metropolitan Area - 1940 population: Total 316,248; Urban 213,175; Rural 103,073.
 Counties: Madison and St. Clair.

TABLE VIII DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, 1946

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Unk.
Deaths - all causes	6,844	457	538	90	135	480	1,535	4,061	5
Selected causes of death, total	6,099	432	501	83	115	438	1,384	3,574	4
Diseases of infancy	362	354	357	1	1	2	1	--	--
Maternal causes	28	xxx	xxx	--	8	19	1	--	--
Communicable diseases, total	120	8	25	15	8	17	31	23	1
Diphtheria	4	--	2	1	1	--	--	--	--
Dysentery - all forms	3	1	1	--	--	--	1	1	--
Encephalitis	2	--	1	--	--	--	--	1	--
Measles	8	3	6	1	--	--	1	--	--
Meningitis	3	--	--	2	1	--	--	--	--
Poliomyelitis	19	1	7	8	4	--	--	--	--
Scarlet fever	1	--	--	1	--	--	--	--	--
Syphilis	50	1	1	--	1	14	21	12	1
Typhoid & paratyphoid fever	3	--	--	1	--	1	--	1	--
Whooping cough	3	1	3	--	--	--	--	--	--
Other communicable diseases	24	1	4	1	1	2	8	8	--
Acute respiratory diseases	207	40	56	6	3	12	27	103	--
Influenza	51	5	8	3	3	3	5	29	--
Pneumonia	156	35	48	3	--	9	22	74	--
Tuberculosis - all forms	185	3	3	1	15	50	63	53	--
Pulmonary tuberculosis	176	--	--	1	14	50	60	51	--
Accidents - all forms	466	6	29	41	47	94	90	165	--
Motor vehicle	148	--	4	20	28	36	31	29	--
Home	147	5	19	6	1	8	12	101	--
Occupational	67	xxx	xxx	--	5	30	28	4	--
Public	104	1	6	15	13	20	19	31	--
Cancer	844	--	1	2	4	66	263	508	--
Cerebral hemorrhage	686	--	1	--	1	14	156	514	--
Diabetes	153	--	--	1	--	9	50	92	1
Diseases of digestive system	270	20	28	7	8	26	84	117	--
Cirrhosis of the liver	49	--	--	--	--	3	21	25	--
Diarrhea and enteritis	35	17	21	2	--	1	--	11	--
Goiter	12	--	--	--	--	3	7	2	--
Heart disease	2,141	1	1	6	6	72	463	1,592	1
Coronary	541	--	--	--	--	23	177	341	--
Chronic rheumatic	153	--	--	4	3	15	32	99	--
Homicide	30	--	--	--	7	14	7	2	--
Nephritis	472	--	--	1	2	19	105	344	1
Prostatic disease	42	--	--	--	--	--	2	40	--
Rheumatic fever	3	--	--	1	--	1	--	1	--
Suicide	78	xxx	xxx	1	5	20	34	18	--
All other causes	666	20	30	2	12	30	132	459	1
Cause as yet unassigned	79	5	7	5	8	12	19	28	--

Region 6 - Southern Area - 1940 population: Total 723,047; Urban 228,885; Rural 494,162.

Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.

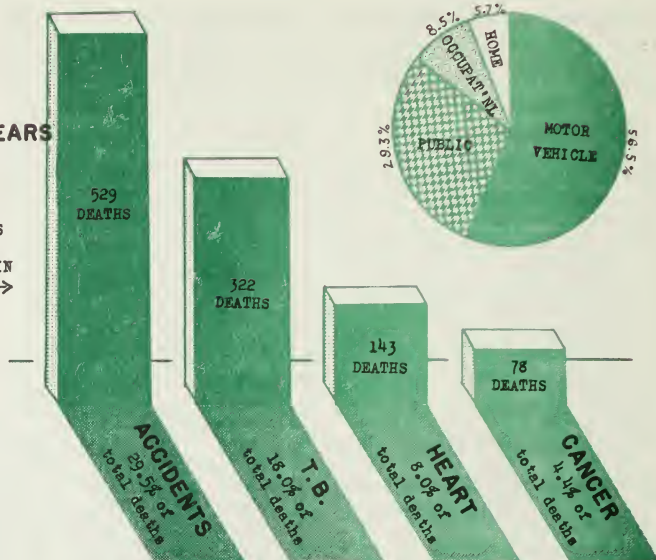
MORTALITY IN THE PRODUCTIVE YEARS OF LIFE

ACCIDENT DEATHS

PEOPLE OF AGE 15-24 YEARS

ARE 17.1% OF THE POPULATION
AND
ACCOUNT FOR 2.1% OF ALL DEATHS

THE 4 LEADING CAUSES OF DEATH IN
THIS AGE GROUP WERE →

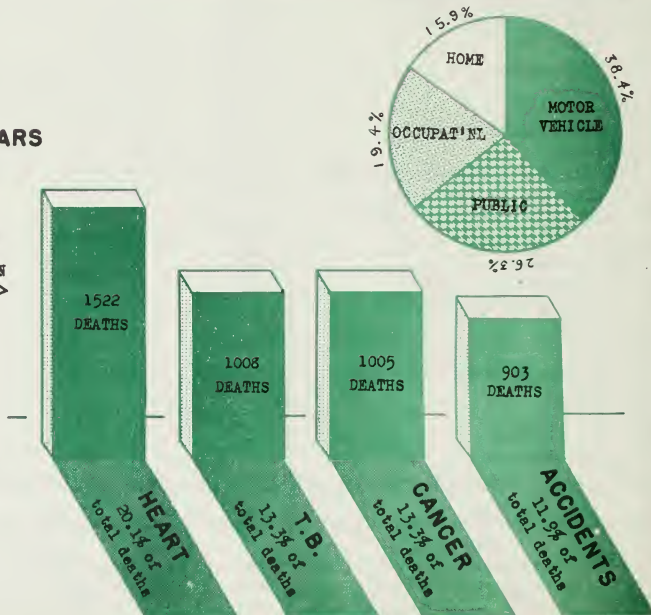


ACCIDENT DEATHS

PEOPLE OF AGE 25-44 YEARS

ARE 31.3% OF THE POPULATION
AND
ACCOUNT FOR 8.7% OF ALL DEATHS

THE 4 LEADING CAUSES OF DEATH IN
THIS AGE GROUP WERE →



HEALTH STATISTICS BULLETIN

State of Illinois
Dwight H. Green
Governor



Department of Public Health
Roland R. Cross, M. D.
Director

THE LIBRARY OF THE

Division of Vital Statistics & Records--- O. K. Sagen, Ph.D., Chief

125 1940

1947 Series, No. 1

Springfield, Illinois

UNIVERSITY OF ILLINOIS
July 15, 1947

VITAL STATISTICS OF FIRST QUARTER 1947

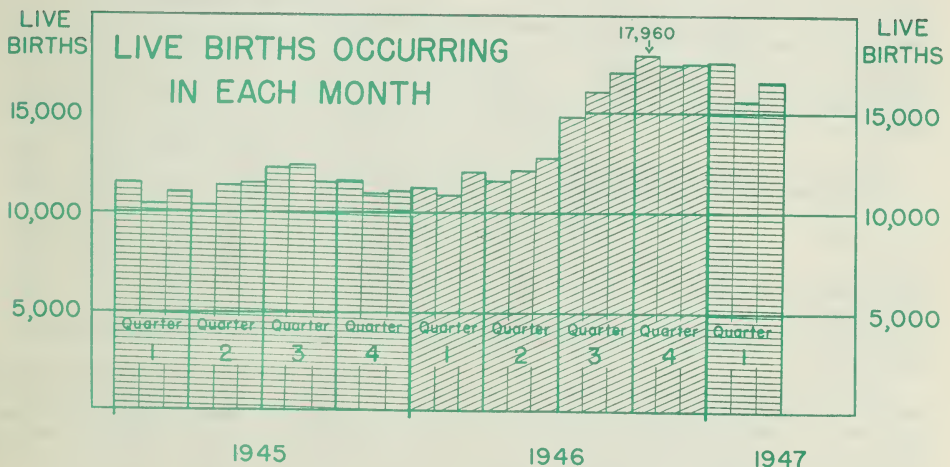
BOOM IN BIRTHS SLACKENS

The great boom in births during 1946 leveled off after reaching its peak in October and began to recede in 1947. Almost 18,000 babies were born in October 1946, equivalent to an annual birth rate of 26.3 per 1,000 inhabitants. The births occurring in the first three months of 1947 are equivalent to an annual rate of 24. per 1,000 inhabitants. Incomplete returns for April and May indicate continuance of a slight downward trend. Despite this, indications are that the total births in 1947 will exceed 185,000

with a birth rate for the year of about 22.5 per 1,000 inhabitants in the state.

The Illinois experience parallels the record for the country as a whole. However, the national birth rate runs about 5% over Illinois'. The Illinois birth rate is usually about the lowest among the 48 states.

Although births are expected to slow up still more during 1947, the high marriage rates during the latter part of 1946 presage another peak in births during the first half of 1948.



MORTALITY IN THE FIRST QUARTER OF 1947

CONTINUED PROGRESS IN DEFERMENT OF DEATH

There were 968 more deaths in Illinois during the first three months of 1947 than in 1946. The equivalent annual crude death rate for the first quarter of this year was 12.1 deaths per 1,000 inhabitants as opposed to 11.8 for the same period of last year. This much of the mortality picture makes present health conditions appear worse than a year ago.

Actually, a closer analysis of the mortality record shows that conditions have improved rather remarkably. This year there were 226 fewer deaths among those aged 1 to 44 years, despite there being more people in these ages now than last year. All of this year's increase in deaths was among less-than-year-old babies and people past their forty-fifth birthday.

TABLE A - BIRTH AND DEATH RATES IN FIRST QUARTER

	1947	1946
LIVE BIRTHS per 1,000 population	22.8	15.0
DEATHS per 1,000 population	12.1	11.8

Note: Rates are expressed as their ANNUAL equivalents, based on estimates of Illinois' population in the first quarter as follows: Feb. 15, 1947 - 8,280,000; Feb. 15, 1946 - 8,150,000.

Although 448 more infants died this year than last in the months of January through March, the infant mortality rate is 3.3 per thousand live births below 1946. Even more remarkable is the saving of life among the mothers who have given us the boom in babies. There were 57 maternal deaths last year and exactly the same number this year. Consequently, the first quarter maternal mortality rate dropped from a satisfactory 1.9 deaths per thousand live births in 1946 to a phenomenally low 1.2 for 1947.

TABLE B - FETAL, INFANT, AND MATERNAL MORTALITY PER THOUSAND LIVE BIRTHS IN FIRST QUARTER

Cause	1947	1946
STILLBIRTHS	19.4	23.5
NEONATAL DEATHS (under 1 month)	22.9	24.3
INFANT DEATHS (under 1 year)	33.1	36.4
(Premature birth, infants only)	(10.4)	(11.8)
MATERNAL DEATHS	1.2	1.9

Encouragingly few deaths from the infectious diseases were recorded. Tuberculosis registered a decrease of 66 deaths from last year's first quarter figure, forcing the equivalent annual rate down from 37.4 to 33.7

TB deaths per 100 thousand inhabitants of the State. (The drop in this death rate needs to be discounted somewhat because part of the reduction is a numerical quirk due to the population base having increased most in the age group where TB is at a minimum, namely, childhood).

TABLE C - FIRST QUARTER MORTALITY FROM THE TEN LEADING CAUSES

Cause	Deaths per 100 thousand	
	1947	1946
1. HEART DISEASE	463.6	437.2
2. CANCER	158.9	156.2
3. CEREBRAL HEMORRHAGE	98.3	94.4
4. NEPHRITIS	71.4	78.4
5. ALL ACCIDENTS	66.5	62.4
6. INFLUENZA AND PNEUMONIA	60.4	58.7
7. TUBERCULOSIS	33.7	37.4
8. DIABETES	36.6	36.9
9. PREMATURE BIRTH (any age)	23.7	17.7
10. ARTERIOSCLEROSIS	20.1	22.3

Note: Rates are expressed as their annual equivalents.

Pneumonia deaths were 71 above last year, but this is in effect an improvement upon the 1946 experience. This year there were 4 fewer deaths among all persons over one year old. While 75 more babies died, the bumper crop of babies in 1947 held the rate at 4.4 pneumonia deaths per thousand among infants less than a year old.

TABLE D - ACCIDENTAL DEATHS IN FIRST QUARTER

Cause	Number of deaths		Deaths per 100 thousand	
	1947	1946	1947	1946
ALL ACCIDENTS	1,373	1,272	66.5	62.4
Motor vehicle	380	412	18.4	20.2
Home accidents	525	457	25.4	22.4
Occupational	225	113	10.9	5.5
Public accidents	243	290	11.8	14.2

Note: Rates are expressed as their annual equivalents.

Accidental deaths might have been fewer in this year's first quarter than last year's, had it not been for the tragic Centra-Italia coal mine explosion which claimed 111 lives on March 25. Less dramatic but equally tragic is the 15% jump in fatalities from

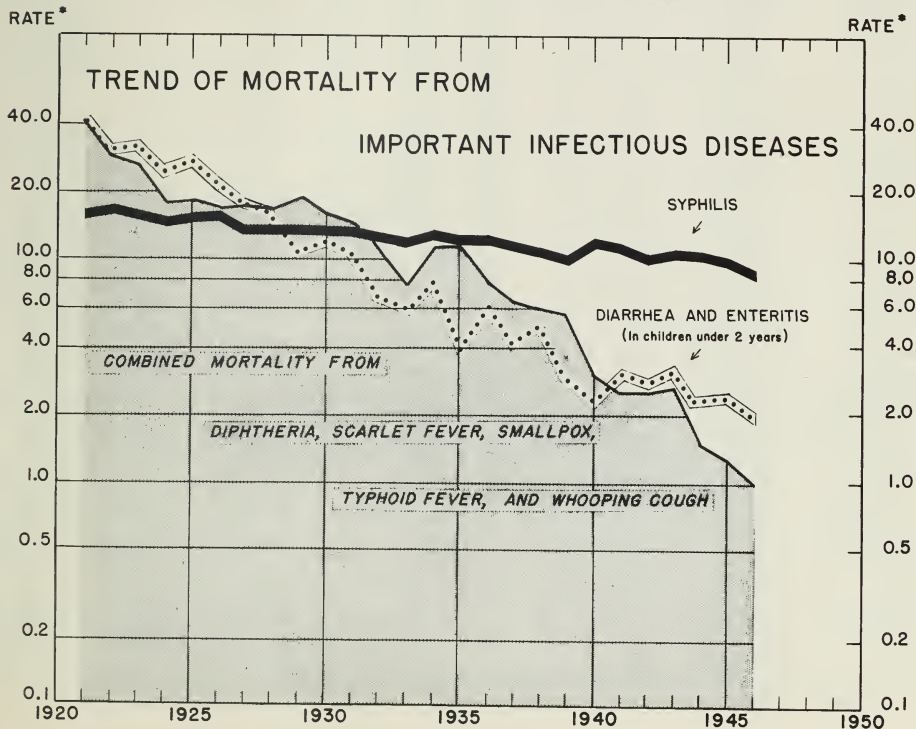
accidents in the home. This dismal record is partially offset by a decrease of 79 in deaths from public and motor vehicle accidents. The 8% drop in auto accident deaths is particularly gratifying because it reverses the upward trend which began with the removal of wartime mileage restrictions.

Deaths from heart disease, cancer, and cerebral hemorrhage in the first quarter were substantially higher in 1947 than in 1946, both as to number and crude rate. Nevertheless, improved conditions are reflected in the actual decrease in deaths from these causes among people under 45 years of age. The year-by-year, month-by-month increase in total mortality from these three leading causes characteristically represents DEFERRED MORTALITY. Furthermore, these increases actually measure a growing success in deferring death and lengthening the average span of life. Such striking progress in postponing death lends emphasis to the challenge in the next great problem, to wit, the cultivation and preservation of positive good health throughout life.

TABLE 4 - MORTALITY TREND FOR IMPORTANT INFECTIOUS DISEASES, 1921-1946
Based on deaths occurring in Illinois

YEARS	SELECTED COMMUNICABLE DISEASES						TOTAL	DIARRHEA & ENTERITIS < 2	SPRINTS
	DIPHTHERIA	SCARLET FEVER	SMALL-POX	TYPHOID FEVER	WHOOPING COUGH				
1921	21.5	5.7	0.4	5.7	7.4	40.7	45.2	16.7	
1922	16.8	4.3	0.3	4.1	3.4	28.9	32.2	17.2	
1923	11.3	3.2	0.0	4.4	7.3	26.2	33.5	16.1	
1924	6.5	2.9	0.2	3.3	4.9	17.8	26.0	15.1	
1925	5.6	3.7	0.3	4.4	4.3	18.3	29.2	16.0	
1926	5.6	3.2	0.1	3.1	5.0	17.0	22.9	16.2	
1927	8.6	2.3	0.0	2.3	4.1	17.3	18.3	14.0	
1928	8.6	2.1	0.1	2.1	3.6	16.5	16.4	14.1	
1929	9.9	4.0	0.2	1.4	3.4	18.9	11.6	14.1	
1930	7.1	4.0	0.1	2.0	2.4	15.6	12.6	13.9	
1931	5.0	4.7	0.1	1.7	2.9	14.4	11.1	14.0	
1932	3.1	3.4	0.0	1.6	2.9	11.0	7.1	13.0	
1933	1.7	3.6	0.0	1.4	1.0	7.7	6.4	12.4	
1934	2.0	3.9	-0	1.6	3.9	11.4	8.4	13.6	
1935	2.7	5.2	0.0	1.1	2.7	11.7	4.4	12.8	
1936	2.2	3.0	0.0	0.9	1.9	8.0	6.6	13.0	
1937	1.9	2.0	-0	0.7	1.9	6.5	4.5	12.1	
1938	1.5	1.7	0.0	0.7	2.1	6.0	5.5	11.6	
1939	1.5	0.9	-0	1.3	2.0	5.7	3.1	10.5	
1940	1.1	0.8	-0	0.4	0.8	3.1	2.5	12.8	
1941	0.7	0.5	-0	0.3	1.1	2.6	3.3	12.0	
1942	0.8	0.4	-0	0.2	1.2	2.6	3.0	10.6	
1943	1.0	0.3	-0	0.1	1.3	2.7	3.4	11.2	
1944	0.3	0.4	-0	0.2	0.6	1.5	2.5	11.0	
1945	0.2	0.3	-0	0.1	0.7	1.3	2.6	10.3	
1946	0.4	0.1	-0	0.1	0.4	1.0	2.2	9.1	

Note on multiples: In years with rate 0.0 there were from 1 to 3 deaths. Zero deaths is indicated by -0-



* Deaths per 100,000 inhabitants of the state

TABLE I LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE, FIRST QUARTER 1947

County	*Estimated Population	Live Births	Still-births	Deaths	County	*Estimated Population	Live Births	Still-births	Deaths
Entire State	8,180,000	47,173	915	24,981	LaSalle	101,625	626	14	288
Chicago	3,600,000	19,306	402	10,526	Lawrence	20,694	34	--	48
Downstate	4,580,000	27,867	513	14,455	Lee	34,944	186	4	113
Adams	62,923	422	8	259	Livingston	36,188	202	8	106
Alexander	22,509	220	9	100	Logan	28,629	162	6	132
Bond	14,071	14	--	26	McDonough	27,281	176	5	102
Boone	15,798	115	2	59	McHenry	40,248	219	1	113
Brown	7,005	11	--	20	McLean	70,753	495	3	234
Bureau	36,278	257	4	129	Macon	90,073	726	12	257
Calhoun	7,153	18	2	15	Macoupin	43,695	65	--	75
Carroll	18,696	89	1	45	Madison	175,318	1,128	18	507
Cass	15,151	98	1	46	Marion	43,189	301	6	123
Champaign	73,964	669	8	204	Marshall	12,229	6	--	33
Christian	36,387	232	3	95	Mason	14,831	13	--	27
Clark	17,004	26	1	37	Massac	13,721	88	2	52
Clay	16,903	29	2	33	Menard	9,379	6	--	17
Clinton	21,030	96	3	56	Mercer	17,166	6	1	31
Coles	36,894	279	12	116	Monroe	12,702	7	--	23
Cook	4,300,502	23,873	471	12,835	Montgomery	30,915	242	2	124
Crawford	20,164	138	5	66	Morgan	33,925	212	6	243
Cumberland	10,247	22	--	27	Moultrie	12,309	10	--	24
DeKalb	35,843	271	3	113	Ogle	30,178	79	1	74
DeWitt	17,170	61	2	45	Peoria	154,366	1,310	27	575
Douglas	16,124	107	3	50	Perry	22,047	140	5	78
DuPage	120,514	476	6	268	Piatt	13,457	43	--	30
Edgar	23,567	133	1	74	Pike	22,740	106	--	68
Edwards	8,519	17	2	24	Pope	6,309	20	--	22
Effingham	19,603	236	3	71	Pulaski	14,064	37	2	36
Fayette	25,651	144	5	84	Putnam	4,862	--	--	9
Ford	14,481	86	1	39	Randolph	31,788	175	2	95
Franklin	47,797	126	5	115	Richland	15,789	172	5	78
Fulton	44,004	253	4	115	Rock Island	124,888	849	6	416
Gallatin	9,910	32	1	23	St. Clair	185,914	1,139	28	590
Greene	19,140	75	4	42	Saline	33,483	280	3	114
Grundy	19,850	101	--	45	Sangamon	122,876	870	20	437
Hamilton	13,406	61	1	37	Schuyler	10,032	32	1	29
Hancock	25,246	65	2	66	Scott	7,108	7	--	12
Hardin	8,381	49	2	23	Shelby	24,194	114	2	62
Henderson	8,282	4	--	11	Stark	8,335	1	--	11
Henry	42,443	293	4	143	Stephenson	41,608	364	6	153
Iroquois	30,652	146	3	71	Tazewell	61,243	252	6	125
Jackson	35,781	288	12	108	Union	20,343	135	4	157
Jasper	11,879	22	1	18	Vermilion	82,061	557	5	328
Jefferson	34,937	287	2	91	Wabash	14,011	49	--	31
Jersey	13,588	32	1	33	Warren	20,517	162	1	69
Jo Daviess	21,256	18	--	45	Washington	14,777	16	--	140
Johnson	8,984	26	1	26	Wayne	20,017	68	1	43
Kane	139,711	1,235	19	562	White	21,211	61	1	44
Kankakee	65,903	388	12	411	Whiteside	44,290	234	10	94
Kendall	10,765	--	--	10	Will	126,675	720	10	351
Knox	51,208	375	3	169	Williamson	48,553	319	11	149
Lake	129,840	952	17	365	Winnebago	134,661	973	17	379
					Woodford	18,675	12	1	45

* Estimated population as of July 1, 1946.

TABLE II DEATHS IN ILLINOIS, FIRST QUARTER 1947

(All occurrences within the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 ¹ yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	24,980	1,560	1,782	178	410	1,885	7,632	13,089	4
SELECTED CAUSES OF DEATH	23,287	1,451	1,618	142	347	1,691	7,221	12,265	3
Diseases of infancy	1,132	1,083	1,101	6	5	11	6	3	--
Maternal causes	57	xxx	xxx	--	19	38	--	xxx	--
Communicable diseases, total	248	25	38	7	5	34	105	59	--
Diphtheria	4	--	2	1	1	--	--	--	--
Dysentery - all forms	4	2	3	--	--	1	--	--	--
Encephalitis	3	--	--	--	1	--	--	2	--
Measles	4	2	2	1	1	--	--	--	--
Meningitis	18	5	8	2	--	2	4	2	--
Poliomyelitis	2	--	--	1	1	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	179	2	2	1	1	28	99	48	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	14	11	13	1	--	--	--	--	--
Other communicable diseases	20	3	8	--	--	3	2	7	--
Acute respiratory diseases	1,248	222	270	16	14	96	323	529	--
Influenza	132	13	20	3	2	7	20	80	--
Pneumonia	1,116	209	250	13	12	89	303	449	--
Tuberculosis - all forms	696	2	8	10	76	229	269	104	--
Pulmonary tuberculosis	640	--	2	6	69	212	256	95	--
Accidents - all forms	1,373	37	78	59	111	241	382	502	--
Motor vehicle	380	2	10	25	66	97	120	62	--
Home	525	33	63	20	11	41	66	324	--
Occupational	225	xxx	xxx	1	12	70	117	25	--
Public	243	2	5	13	22	33	79	91	--
Cancer	3,281	--	11	14	19	249	1,408	1,579	1
Cerebral hemorrhage	2,030	--	4	--	5	53	558	1,410	--
Diabetes	756	--	1	2	10	34	268	441	--
Diseases of digestive system	913	72	88	8	11	125	378	303	--
Cirrhosis of the liver	274	3	4	--	--	41	149	80	--
Diarrhea and enteritis	73	54	63	--	1	2	2	5	--
Goiter	52	--	--	--	1	8	25	18	--
Heart disease	9,574	5	10	10	26	379	2,999	6,148	2
Coronary	2,199	--	--	--	1	123	920	1,155	--
Chronic rheumatic	461	--	1	4	9	77	169	201	--
Homicide	91	4	4	--	16	47	19	5	--
Nephritis	1,474	1	5	4	12	93	375	985	--
Prostatic disease	141	--	--	--	--	--	19	122	--
Rheumatic fever	9	--	--	5	1	2	1	--	--
Suicide	212	xxx	xxx	1	16	52	86	57	--
ALL OTHER CAUSES	1,548	100	148	32	42	169	374	782	1
CAUSE AS YET UNASSIGNED	145	9	16	4	21	25	37	42	--

ENTIRE STATE-1940 population: Total 7,897,241; Urban 5,809,650; Rural 2,087,591.

For a detailed discussion of the 6 principal geographic Regions of the State see Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1944."

TABLE III DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, FIRST QUARTER 1947
(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	14,045	838	948	95	206	1,217	5,027	6,551	1
SELECTED CAUSES OF DEATH	13,254	771	850	77	169	1,106	4,798	6,253	1
Diseases of infancy	608	582	591	4	4	3	5	1	--
Maternal causes	28	xxx	xxx	--	7	21	--	xxx	--
Communicable diseases, total	115	13	16	3	1	15	54	26	--
Diphtheria	1	--	--	--	1	--	--	--	--
Dysentery - all forms	1	--	--	--	--	1	--	--	--
Encephalitis	--	--	--	--	--	--	--	--	--
Measles	2	2	2	--	--	--	--	--	--
Meningitis	16	3	6	2	--	2	4	2	--
Poliomyelitis	1	--	--	1	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	81	1	1	--	--	10	49	21	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	5	5	5	--	--	--	--	--	--
Other communicable diseases	8	2	2	--	--	2	1	3	--
Acute respiratory diseases	692	121	143	7	4	66	238	234	--
Influenza	21	2	3	2	--	1	7	8	--
Pneumonia	671	119	140	5	4	65	231	226	--
Tuberculosis - all forms	472	1	5	9	57	163	188	50	--
Pulmonary tuberculosis	433	--	1	5	51	149	180	47	--
Accidents - all forms	596	14	35	28	27	105	189	212	--
Motor vehicle	161	--	4	12	8	36	66	35	--
Home	244	14	31	12	8	22	47	124	--
Occupational	56	xxx	xxx	--	2	25	26	3	--
Public	135	--	--	4	9	22	50	50	--
Cancer	1,996	--	6	6	14	167	927	875	1
Cerebral hemorrhage	917	--	--	--	2	36	316	563	--
Diabetes	458	--	1	1	5	20	180	251	--
Diseases of digestive system	531	35	43	5	7	79	248	149	--
Cirrhosis of the liver	197	3	4	--	--	29	118	46	--
Diarrhea and enteritis	28	22	24	--	--	1	1	2	--
Goiter	32	--	--	--	--	5	17	10	--
Heart disease	5,762	2	4	9	18	294	2,127	3,310	--
Coronary	1,106	--	--	--	--	86	548	472	--
Chronic rheumatic	259	--	--	4	7	62	116	70	--
Homicide	65	3	3	--	8	36	14	4	--
Nephritis	795	--	3	1	7	66	234	484	--
Prostatic disease	64	--	--	--	--	--	12	52	--
Rheumatic fever	7	--	--	3	1	2	1	--	--
Suicide	116	xxx	xxx	1	7	28	48	32	--
ALL OTHER CAUSES	714	62	91	17	26	94	202	284	--
CAUSE AS YET UNASSIGNED	77	5	7	1	11	17	27	14	--

Chicago Metropolitan Area (Region I)--1940 population: Total 4,532,552; Urban 256,001; Rural 275,751.
Counties: Cook, DuPage, Kane, Lake, and Will.
(See maphead for map of State by Regions.)

TABLE IV DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, FIRST QUARTER 1947

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 ¹ yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	2,616	166	205	26	38	150	606	1,591	--
SELECTED CAUSES OF DEATH	2,411	163	191	21	30	122	568	1,479	--
Diseases of infancy	130	122	126	--	1	2	1	--	--
Maternal causes	9	xxx	xxx	--	2	7	--	xxx	--
Communicable diseases, total	39	2	5	2	1	4	13	14	--
Diphtheria	1	--	--	1	--	--	--	--	--
Dysentery - all forms	--	--	--	--	--	--	--	--	--
Encephalitis	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	2	2	2	--	--	--	--	--	--
Polioomyelitis	1	--	--	--	1	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	29	--	--	1	--	4	12	12	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	--	--	--	--	--	--	--	--	--
Other communicable diseases	6	--	3	--	--	--	1	2	--
Acute respiratory diseases	150	25	36	1	5	6	26	76	--
Influenza	19	1	3	--	1	--	5	10	--
Pneumonia	131	24	33	1	4	6	21	66	--
Tuberculosis - all forms	58	--	1	1	--	17	25	14	--
Pulmonary tuberculosis	52	--	1	1	--	16	22	12	--
Accidents - all forms	140	7	12	10	14	19	27	56	--
Motor vehicle	39	--	1	3	9	9	9	8	--
Home	60	6	7	2	1	5	6	39	--
Occupational	9	xxx	xxx	1	1	2	4	1	--
Public	32	1	4	4	3	3	8	10	--
Cancer	300	--	1	5	--	13	104	177	--
Cerebral hemorrhage	238	--	--	--	2	4	57	175	--
Diabetes	72	--	--	1	--	2	17	52	--
Diseases of digestive system	103	6	8	--	2	16	41	36	--
Cirrhosis of the liver	19	--	--	--	--	4	9	6	--
Diarrhea and enteritis	9	4	6	--	--	1	--	2	--
Goiter	8	--	--	--	--	1	3	4	--
Heart disease	988	1	2	--	--	17	214	755	--
Coronary	288	--	--	--	--	8	97	183	--
Chronic rheumatic	40	--	--	--	--	2	10	28	--
Homicide	2	--	--	--	--	2	--	--	--
Nephritis	136	--	--	1	2	6	30	97	--
Prostatic disease	17	--	--	--	--	--	1	16	--
Rheumatic fever	--	--	--	--	--	--	--	--	--
Suicide	21	xxx	xxx	--	1	6	9	5	--
ALL OTHER CAUSES	193	3	12	4	5	27	38	107	--
CAUSE AS YET UNASSIGNED	12	--	2	1	3	1	--	5	--

Northern Area (Region 2)--1940 population: Total 782,705; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, DeKalb, Grundy, Henry, Jo Daviess, Kanebsee, Kendall, LaSalle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.

TABLE V DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA, FIRST QUARTER 1947
(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	664	42	45	3	7	41	161	407	--
SELECTED CAUSES OF DEATH	603	39	42	3	5	35	147	371	--
Diseases of infancy	34	33	33	1	--	--	--	--	--
Maternal causes	3	xxx	xxx	--	1	2	--	xxx	--
Communicable diseases, total	9	--	2	--	--	1	4	2	--
Diphtheria	--	--	--	--	--	--	--	--	--
Dysentery - all forms	--	--	--	--	--	--	--	--	--
Encephalitis	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	7	--	--	--	--	1	4	2	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	1	--	1	--	--	--	--	--	--
Other communicable diseases	1	--	1	--	--	--	--	--	--
Acute respiratory diseases	37	4	4	--	1	1	8	23	--
Influenza	5	--	--	--	1	1	--	3	--
Pneumonia	32	4	4	--	--	--	8	20	--
Tuberculosis - all forms	13	--	--	--	--	4	2	7	--
Pulmonary tuberculosis	12	--	--	--	--	4	2	6	--
Accidents - all forms	43	2	3	1	--	9	7	23	--
Motor vehicle	11	--	1	--	--	6	4	--	--
Home	22	1	1	--	--	1	1	19	--
Occupational	3	xxx	xxx	--	--	1	--	2	--
Public	7	1	1	1	--	1	2	2	--
Cancer	76	--	--	--	--	5	34	37	--
Cerebral hemorrhage	57	--	--	--	--	1	13	43	--
Diabetes	17	--	--	--	1	2	6	8	--
Diseases of digestive system	15	--	--	1	--	1	5	8	--
Cirrhosis of the liver	4	--	--	--	--	1	1	2	--
Diarrhea and enteritis	--	--	--	--	--	--	--	--	--
Goiter	1	--	--	--	--	--	1	--	--
Heart disease	223	--	--	--	1	6	54	162	--
Coronary	62	--	--	--	--	2	24	36	--
Chronic rheumatic	21	--	--	--	1	3	6	11	--
Homicide	2	--	--	--	--	1	1	--	--
Nephritis	59	--	--	--	1	2	11	45	--
Prostatic disease	10	--	--	--	--	--	--	10	--
Rheumatic fever	--	--	--	--	--	--	--	--	--
Suicide	4	xxx	xxx	--	--	--	1	3	--
ALL OTHER CAUSES	61	3	3	--	2	6	14	36	--
CAUSE AS YET UNASSIGNED	--	--	--	--	--	--	--	--	--

Peoria Metropolitan Area (Region 5)--1940 population: total 211,736; Urban 139,211; Rural 72,525.
Counties: Peoria and Tazewell.
(See method for map of State by Regions.)

TABLE VI DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, FIRST QUARTER 1947
(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	4,037	262	300	35	63	199	897	2,542	1
SELECTED CAUSES OF DEATH	3,730	243	271	25	63	175	834	2,362	--
Diseases of infancy	185	177	180	1	--	2	--	2	--
Maternal causes	7	xxx	xxx	--	2	5	--	xxx	--
Communicable diseases, total	40	4	5	--	2	5	17	11	--
Diphtheria	--	--	--	--	--	--	--	--	--
Dysentery - all forms	1	1	1	--	--	--	--	--	--
Encephalitis	2	--	--	--	--	--	--	2	--
Measles	1	--	--	--	1	--	--	--	--
Meningitis	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	31	--	--	--	1	4	17	9	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	4	3	4	--	--	--	--	--	--
Other communicable diseases	1	--	--	--	--	1	--	--	--
Acute respiratory diseases	196	40	52	7	1	10	21	105	--
Influenza	39	4	7	1	--	2	3	26	--
Pneumonia	157	36	45	6	1	8	18	79	--
Tuberculosis - all forms	60	--	--	--	4	18	23	15	--
Pulmonary tuberculosis	56	--	--	--	3	18	22	13	--
Accidents - all forms	250	6	10	13	36	40	37	114	--
Motor vehicle	93	--	2	9	27	25	18	12	--
Home	100	6	8	2	--	7	4	79	--
Occupational	19	xxx	xxx	--	2	7	4	6	--
Public	38	--	--	2	7	1	11	17	--
Cancer	514	--	2	--	2	28	185	297	--
Cerebral hemorrhage	473	--	3	--	1	5	100	364	--
Diabetes	109	--	--	--	2	5	32	70	--
Diseases of digestive system	137	14	16	1	1	12	46	61	--
Cirrhosis of the liver	31	--	--	--	--	2	11	18	--
Diarrhea and enteritis	17	13	15	--	1	--	1	--	--
Golter	7	--	--	--	1	1	3	2	--
Heart disease	1,408	2	3	--	4	29	298	1,074	--
Coronary	450	--	--	--	--	12	148	290	--
Chronic rheumatic	85	--	--	--	1	5	16	63	--
Homicide	5	--	--	--	2	2	1	--	--
Nephritis	277	--	--	2	--	8	49	218	--
Prostatic disease	23	--	--	--	--	--	2	21	--
Rheumatic fever	1	--	--	1	--	--	--	--	--
Suicide	38	xxx	xxx	--	5	5	20	8	--
ALL OTHER CAUSES	282	17	25	8	--	22	59	167	1
CAUSE AS YET UNASSIGNED	25	2	4	2	--	2	4	13	--

Central Area (Region 4)--1940 population. Total 1,331,175; Urban 551,587; Rural 779,588. Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Cole, Cumberland, DeWitt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Mason, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermillion, Warren, and Woodford.

TABLE VII DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA,
FIRST QUARTER 1947

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-54 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	1,026	81	87	2	22	64	274	577	--
SELECTED CAUSES OF DEATH	938	76	80	2	16	57	252	531	--
Diseases of infancy	58	55	55	--	--	3	--	--	--
Maternal causes	3	xxx	xxx	--	3	--	--	xxx	--
Communicable diseases, total	13	--	1	1	--	4	5	2	--
Diphtheria	1	--	1	--	--	--	--	--	--
Dysentery - all forms	--	--	--	--	--	--	--	--	--
Encephalitis	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	11	--	--	--	--	4	5	2	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	1	--	--	1	--	--	--	--	--
Other communicable diseases	--	--	--	--	--	--	--	--	--
Acute respiratory diseases	56	14	14	--	--	3	15	24	--
Influenza	13	2	2	--	--	--	3	8	--
Pneumonia	43	12	12	--	--	3	12	16	--
Tuberculosis - all forms	21	--	--	--	4	5	9	3	--
Pulmonary tuberculosis	20	--	--	--	4	5	9	2	--
Accidents - all forms	53	3	4	--	2	8	11	28	--
Motor vehicle	12	--	--	--	1	3	7	1	--
Home	31	3	4	--	1	3	1	22	--
Occupational	4	xxx	xxx	--	--	2	--	2	--
Public	6	--	--	--	--	--	3	3	--
Cancer	97	--	1	1	--	7	40	48	--
Cerebral hemorrhage	105	--	--	--	--	1	26	78	--
Diabetes	32	--	--	--	--	--	12	20	--
Diseases of digestive system	44	4	5	--	1	6	13	19	--
Cirrhosis of the liver	6	--	--	--	--	2	2	2	--
Diarrhea and enteritis	5	4	5	--	--	--	--	--	--
Goiter	2	--	--	--	--	--	1	1	--
Heart disease	363	--	--	--	2	10	101	250	--
Coronary	70	--	--	--	--	4	28	38	--
Chronic rheumatic	12	--	--	--	--	3	4	5	--
Homicide	8	--	--	--	3	3	1	1	--
Nephritis	68	--	--	--	1	3	14	50	--
Prostatic disease	6	--	--	--	--	--	1	5	--
Rheumatic fever	--	--	--	--	--	--	--	--	--
Suicide	9	xxx	xxx	--	--	4	3	2	--
ALL OTHER CAUSES	76	5	6	--	3	4	21	42	--
CAUSE AS YET UNASSIGNED	12	--	1	--	3	3	1	4	--

East St. Louis Metropolitan Area (Region 5)--1940 population: Total 316,248; Urban 213,175; Rural 103,073
Counties: Madison and St. Clair.
(See maphead for map of State by Regions.)

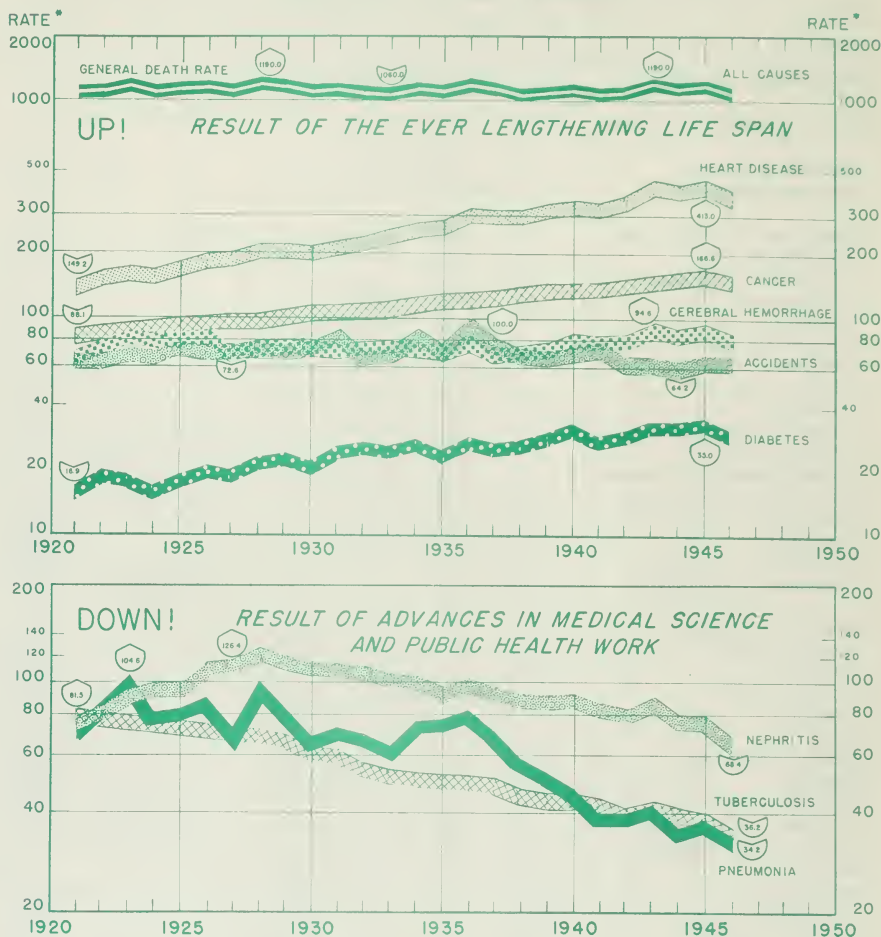
TABLE VIII DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, FIRST QUARTER 1947
(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-54 yrs.	55 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	2,144	147	169	15	45	160	506	1,247	2
SELECTED CAUSES OF DEATH	1,943	136	157	12	40	151	470	1,111	2
Diseases of infancy	94	93	93	--	--	1	--	--	--
Maternal causes	7	xxx	xxx	--	4	3	--	xxx	--
Communicable diseases, total	26	6	9	1	1	5	8	2	--
Diphtheria	1	--	1	--	--	--	--	--	--
Dysentery - all forms	2	1	2	--	--	--	--	--	--
Encephalitis	1	--	--	--	1	--	--	--	--
Measles	1	--	--	1	--	--	--	--	--
Meningitis	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	15	1	1	--	--	5	8	1	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	3	3	3	--	--	--	--	--	--
Other communicable diseases	3	1	2	--	--	--	--	1	--
Acute respiratory diseases	102	17	20	1	3	7	10	61	--
Influenza	32	3	4	--	--	2	2	24	--
Pneumonia	70	14	16	1	3	5	8	37	--
Tuberculosis - all forms	59	1	2	--	7	20	15	15	--
Pulmonary tuberculosis	55	--	--	--	7	19	14	15	--
Accidents - all forms	239	5	13	7	18	45	95	61	--
Motor vehicle	33	2	2	1	10	9	6	5	--
Home	59	3	11	4	--	1	6	37	--
Occupational	131	xxx	xxx	--	7	31	82	11	--
Public	16	--	--	2	1	4	1	8	--
Cancer	217	--	1	--	--	19	68	129	--
Cerebral hemorrhage	212	--	1	--	--	6	41	164	--
Diabetes	57	--	--	--	1	5	18	33	--
Diseases of digestive system	68	12	15	1	--	7	19	26	--
Cirrhosis of the liver	14	--	--	--	--	2	6	6	--
Diarrhea and enteritis	13	10	12	--	--	--	--	1	--
Goiter	1	--	--	--	--	--	--	1	--
Heart disease	692	--	--	1	1	18	155	515	2
Coronary	171	--	--	--	1	7	55	108	--
Chronic rheumatic	34	--	--	--	--	2	11	21	--
Homicide	6	1	1	--	2	2	1	--	--
Nephritis	124	1	2	--	1	6	33	82	--
Prostatic disease	17	--	--	--	--	--	2	15	--
Rheumatic fever	1	--	--	1	--	--	--	--	--
Suicide	21	xxx	xxx	--	2	7	5	7	--
ALL OTHER CAUSES	194	10	11	3	5	9	34	132	--
CAUSE AS YET UNASSIGNED	7	1	1	--	--	--	2	4	--

Southern Area (Region 6)--1940 population: Total 725,047; Urban 228,885; Rural 496,162.

Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.

THE TREND OF DEATH RATES FOR LEADING CAUSES ILLINOIS, 1921-1946



*Deaths per 100,000 inhabitants of the state.

HEALTH STATISTICS BULLETIN

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
SPRINGFIELD, ILLINOIS
Return postage guaranteed

HEALTH STATISTICS BULLETIN

State of Illinois
Dwight H. Green
Governor



Department of Public Health
Roland R. Cross, M. D.
Director

Division of Vital Statistics & Records--- O. K. Sagen, Ph.D., Chief

1947 Series, No. 2

Springfield, Illinois

November 1, 1947

THE HALFWAY MARK IN 1947 VITAL STATISTICS

BIRTHS IN 1947 MAY REACH 200,000

Almost 97,000 babies were born in Illinois during the first half of this year. At this rate the total births for 1947 may be nearly 200,000. While the current birth rate of 23.1 per thousand inhabitants seems high as compared to the 16.6 for the first half of 1946, it is small as compared to the abnormal 38 per thousand for the last half of 1946. From this fact and the chart below it is apparent that the great boom in births that began last year in August has fallen off, although birth rates continue to be high.

The recent high birth rates are for the most part due to the unusually high marriage rates since June, 1945. In every month of 1946 the rate was higher than in any corresponding month during the preceding years. So far in 1947, marriages have exceeded all earlier years excepting 1946. Accordingly, we can expect a continuance of birth rates at a high level for still another year.

A statement in an earlier issue of this bulletin that the 1945 Illinois birth rate of 18.4 was the lowest for any state that year provoked statewide newspaper comment and public concern. It is now possible to report that in the preliminary unpublished national statistics for 1946 Illinois ranks 44th instead of 49th among the states and District of Columbia. However, the 1946 Illinois birth rate

of 21.6 per thousand inhabitants is well below the U. S. average of 23.3. Currently, the Illinois birth rate of 23.1 is correspondingly below the national average of 26.2 per thousand inhabitants. It is well to remember that the upsurge in birth rates has been nation wide and even world wide. Accordingly, Illinois will likely continue to rank among the states with the lowest birth rates for the reason that this state has a relatively large proportion of its population in the older age groups that are not forming families. Furthermore, available information on population movements indicate that the state, instead of attracting younger people in the reproductive years of life, is losing some of its own to the western states that have been gaining so rapidly.

* * *

POPULATION GAINS

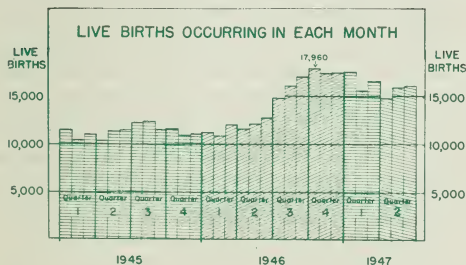
According to recent estimates made by the U.S. Bureau of the Census, Illinois' total population was 8,221,000 on July 1, 1947, representing an increase on 193,000 over their estimate for July 1, 1946. This increase is ascribed to the return of a large number of men from the armed forces coupled with the great excess of births over deaths during the 12 month period. The U. S. as a whole made a population gain of 2.5% while Illinois gained 2.4% in the twelvemonth. California gained 3.4% to lead the nation in growth. There were gains in every state except three where the loss of population from military establishments in the state outweighed their gains in civilian population.

* * *

TABLE A - BIRTH AND DEATH RATES FOR THE FIRST SIX MONTHS

	1947	1946
LIVE BIRTHS per 1,000 population	23.1	16.6
DEATHS per 1,000 population	11.7	11.6

Note: Rates are expressed as their ANNUAL equivalents, based on estimates of Illinois' population in the first six months as follows: April 1, 1947 - 8,172,863; April 1, 1946 - 7,951,570.



MORTALITY AT MIDYEAR

The crude mortality rate of 11.7 deaths per thousand inhabitants for the first six months of 1947 is slightly but not significantly above the 11.6 for the first half of last year. It is, of course, to be expected that total mortality rates will rise with the ever increasing proportion of older individuals in the general population. Thus, it is typical that more and more deaths are due to the two leading killers, heart disease and cancer. For January and February of this year total mortality was low in comparison with 1946. A belated outbreak of influenza and pneumonia more than cancelled this advantage. Most of the increase in deaths from these causes took place downstate.

TABLE B - FETAL, INFANT, AND MATERNAL MORTALITY RATES: FIRST SIX MONTHS

	1947	1946
STILLBIRTHS	19.5	23.4
NEONATAL DEATHS (under 1 month)	22.8	25.4
INFANT DEATHS (under 1 year)	31.3	35.4
Premature birth	10.7	12.9
MATERNAL DEATHS	1.1	1.7

Note: Rates - per thousand live births.

At a time of rising birth rates the infant mortality rate always appears favorable and the current rate of 31.3 per thousand livebirths is no exception. A more reliable indicator is offered by the neonatal rate which stands at 22.8 per thousand livebirths, as opposed to 25.4 in the first half of 1946. Despite all this progress, mortality in the first month of life is still a leading contributor to the total death rate as well as being responsible for almost three out of every five deaths among children under five years of age. Maternal mortality for the first six months was phenomenally low, only eleven mothers having died for every ten thousand live babies born.

TABLE C - MORTALITY FROM THE TEN LEADING CAUSES FOR THE FIRST SIX MONTHS

Cause	Deaths per 100 thousand inhabitants	
	1947	1946
1. HEART DISEASE	440.7	420.7
2. CANCER	162.2	160.7
3. CEREBRAL HEMORRHAGE	93.2	92.7
4. NEPHRITIS	67.5	74.6
5. ALL ACCIDENTS	63.5	63.5
6. INFLUENZA AND PNEUMONIA	49.6	46.6
7. TUBERCULOSIS	35.4	39.7
8. DIABETES	34.6	34.9
9. PREMATURE BIRTH	24.6	21.4
10. ARTERIOSCLEROSIS	18.5	22.2

Note: Rates are expressed as their annual equivalents.

The record for the first half year with respect to the communicable diseases is encouraging. Decreases have taken place in the mortality from all of the infectious diseases that are preventable. The continued decrease in tuberculosis mortality emphasizes the progress being made in tubercu-

losis control. Nevertheless, tuberculosis still ranks high among the leading causes of death in Illinois. The progress noted now is not only justification for the recent intensification of tuberculosis control measures, but is strong evidence that still greater efforts can bring about the eventual elimination of the "white scourge".

TABLE D - ACCIDENTAL DEATHS FOR THE FIRST SIX MONTHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1947	1946	1947	1946
ALL ACCIDENTS	2,594	2,526	63.5	63.5
Motor vehicle	732	808	17.9	20.3
Home accidents	943	852	23.1	21.4
Occupational	347	226	8.5	5.7
Public accidents	572	640	14.0	16.1

Note: Rates are expressed as their annual equivalents.

* * *

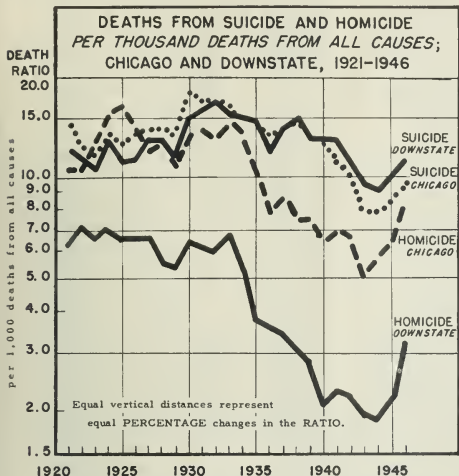
PREVENTABLE DEATHS

The major emphasis in medicine and public health has always been directed at preventing early death from disease. The increased average life span is eloquent testimony of success in postponing death from disease. Years ago, smallpox was one of our worst killers but now the disease has been almost completely eliminated as a cause of death.

But what is the record with the causes of death associated with external injuries to the human body? Despite the medical advances in saving the lives of the injured, we still find that over 8% of all deaths are accounted for by the external causes--accidents, suicide, and homicide. Theoretically, all that external violence is preventable. However, the record shows that all our efforts at prevention do little more than hold the live on mortality from external causes. This is borne out by the table and chart on the back page of this bulletin. They show the last 26 years' mortality experience for the five major external causes: motor vehicle, accidents, other transport accidents, falls, suicide, and homicide. The width of each band on the chart indicates the proportion of mortality associated with each cause. Together, these causes account for about 75% of all deaths from violence.

It is apparent that mortality from suicide and homicide are reflections of social conditions. The fact that suicides were fewest during the recent war re-emphasizes an observation by J. R. Miner 25 years ago that "there can be little doubt that war reduces the suicide rate by giving people something to think about outside themselves, by stimulating the patriotic emotions, in a word by increasing the 'group spirit' ". The fact that suicides were highest during the depression period of the 1930's also points up the importance of economic difficulties as a stimulus to self murder.

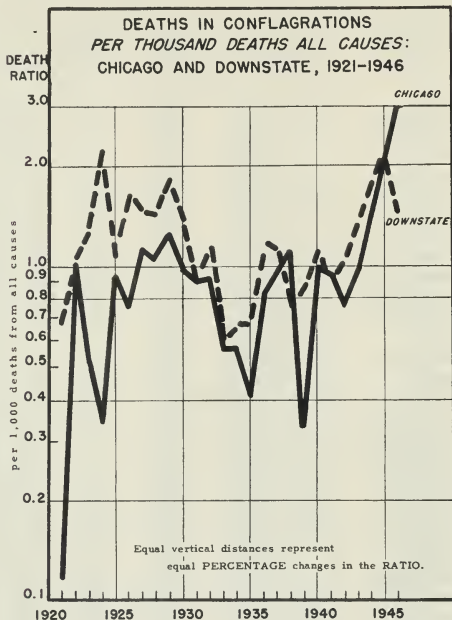
Homicides were also at their lowest during the war period, but were highest in the period of organized lawlessness following World War I. While a general public respect for law and order can obviously bring homicide to a minimum, effective means for accomplishing such control of the social environment are less obvious.



In the last 26 years from 10 to 17 out of every 500 deaths in Illinois have resulted from transportation accidents. A steady increase in transport fatalities went on from 1921 to 1937, when a peak of 35 such deaths out of every thousand deaths was reached. The apparent sharp increase in motor vehicle deaths for 1930 over 1929 is due to the change in the statistical classification of accident deaths made effective in 1930. Before 1930, collisions between automobiles and trains or streetcars were allocated to train and streetcar accidents. Actually, auto accident deaths in Illinois increased almost every year up to 1938. The only real decline came during the war as a result of mileage restrictions, when restrictions were lifted, the auto accident death rate again rose, albeit at lower levels than prewar. A recent encouraging note is found in the fact that 1947 auto accident fatalities in the first six months are somewhat below 1946 levels.

Some progress has been made in the prevention of accidental death from conflagration, burns, drownings, and hazardous occupations. The decline since 1921 in mortality due to accidents in mines and quarries is attributable to fewer miners and greater mine safety. The recent Illinois coal mine disasters that claimed 142 lives in seven months show the need for unrelenting effort on mine safety work. The National Safety Council reports that in mining and quarrying there was one accidental death among every 620 workers, the highest rate

in any industry. Deaths due to serious fires (conflagrations) are increasing and also account for a greater share of accident deaths. Undoubtedly, the acute housing shortage has brought on overcrowding of unsafe buildings and thereby increased fire hazards.



Deaths from burns are now well below the levels of the 1920's, even though there are so many more people. Safer appliances, diminishing use of Kerosene and gasoline stoves in the home, better industrial safety practices, and safety education have all contributed to the progress. There has been a small but steady decrease in the proportion of deaths by drowning over the last fifteen years. The growth of supervised swimming, the teaching of lifesaving, etc. have undoubtedly been responsible for this important progress.

A large part of our deaths from accidental causes are due to falls. To make matters worse, these deaths are steadily increasing. The death statistics for the 1920's understate mortality from falls by about 15% because of the death classification scheme used then. Of course, the majority of deaths from falls occur at the older ages, particularly 65 years and older. Accordingly, we can expect falls to bring on more deaths as we accumulate more old people. At the same time, this situation lays down a tremendous challenge to education in personal safety precautions and to the design of living places, work places and public places offering fewer opportunities for dangerous falls.

TABLE I LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE, FIRST SIX MONTHS, 1947

County	*Estimated Population	Live Births	Stillbirths	Deaths	County	*Estimated Population	Live Births	Stillbirths	Deaths
Entire State	8,172,863	94,267	1,842	47,667	LaSalle	100,421	1,216	24	568
Chicago	3,561,994	40,515	824	20,219	Lawrence	21,139	69	--	97
Downstate	4,610,869	53,752	1,018	27,448	Lee	35,048	364	8	241
Adams	66,769	811	16	481	Livingston	38,986	338	10	216
Alexander	26,174	431	16	191	Logan	29,847	312	7	231
Bond	14,489	22	--	51	McDonough	27,157	348	7	192
Boone	15,346	219	6	118	McHenry	37,771	403	1	224
Brown	7,927	18	--	41	McLean	75,393	1,039	15	439
Bureau	37,939	478	10	227	Macon	87,552	1,400	25	502
Calhoun	7,976	46	2	26	Macoupin	47,105	145	3	169
Carroll	18,071	153	3	88	Madison	154,970	2,000	44	928
Cass	16,613	181	2	87	Marion	48,844	592	16	238
Champaign	72,185	1,275	22	411	Marshall	13,186	10	--	58
Christian	39,125	459	8	182	Mason	15,435	29	1	56
Clark	18,681	55	1	78	Massac	15,076	150	5	109
Clay	18,875	62	2	59	Menard	10,641	19	--	35
Clinton	23,079	178	5	98	Mercer	17,638	11	1	46
Coles	39,292	552	21	221	Monroe	12,671	11	--	45
Cook	4,258,781	49,476	970	24,685	Montgomery	34,872	480	8	237
Crawford	21,389	241	6	117	Morgan	37,058	410	8	441
Cumberland	11,456	36	--	43	Moultrie	13,412	23	--	40
DeKalb	34,875	525	9	225	Ogle	29,959	171	3	152
DeWitt	18,391	145	2	90	Peoria	159,502	2,532	47	1,112
Douglas	17,667	205	3	95	Perry	23,786	300	8	145
DuPage	107,689	806	15	524	Piatt	14,652	79	1	58
Edgar	24,549	257	4	144	Pike	25,165	167	2	127
Edwards	8,951	40	2	40	Pope	7,768	32	--	41
Effingham	22,052	455	6	149	Pulaski	15,966	80	4	70
Fayette	28,902	272	8	157	Putnam	5,290	1	--	17
Ford	15,002	152	1	77	Randolph	34,158	319	5	187
Franklin	54,583	222	7	225	Richland	17,173	334	8	147
Fulton	45,139	446	11	221	Rock Island	117,971	1,633	16	805
Gallatin	11,329	78	2	42	St. Clair	174,010	2,184	53	1,071
Greene	20,313	181	7	87	Saline	38,850	544	8	237
Grundy	16,612	205	--	89	Sangamon	121,813	1,660	37	849
Hamilton	13,073	112	1	66	Schuyler	11,264	67	1	58
Hancock	26,335	125	3	135	Scott	8,118	12	--	27
Hardin	7,653	84	4	42	Shelby	25,990	228	3	112
Henderson	8,887	12	--	23	Stark	8,812	4	1	25
Henry	44,489	529	10	245	Stephenson	41,403	589	8	238
Iroquois	32,263	293	5	128	Tazewell	59,975	462	14	243
Jackson	38,529	542	14	211	Union	21,457	244	6	264
Jasper	13,062	34	1	48	Vermilion	89,302	1,081	12	608
Jefferson	34,582	559	10	172	Wabash	13,880	85	1	52
Jersey	13,646	68	1	51	Warren	21,408	312	2	124
Jo Daviess	20,000	59	--	86	Washington	15,620	27	1	161
Johnson	10,452	60	2	61	Wayne	21,599	128	3	82
Kane	135,290	2,453	37	1,066	White	19,965	114	1	81
Kankakee	62,555	788	19	741	Whiteside	44,129	538	15	226
Kendall	11,033	--	--	29	Will	118,189	1,466	20	652
Knox	53,531	685	10	306	Williamson	52,738	628	20	291
Lake	126,029	1,841	35	678	Winnebago	126,023	1,932	39	756
					Woodford	19,067	19	1	80

*As of April 1, 1947. Projected from U.S. Census estimate for July 1, 1946.

TABLE II DEATHS IN ILLINOIS, FIRST SIX MONTHS, 1947

(All occurrences within the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	47,667	2,953	3,362	365	805	3,775	14,708	24,642	10
SELECTED CAUSES OF DEATH	44,435	2,760	3,074	294	682	3,365	13,920	23,094	6
Diseases of infancy	2,254	2,163	2,202	11	8	19	11	3	--
Maternal causes	108	xxx	xxx	--	26	81	1	xxx	--
Communicable diseases, total	474	44	62	14	14	64	212	108	--
Diphtheria	8	--	3	1	2	1	1	--	--
Dysentery - all forms	7	4	5	--	--	1	1	--	--
Encephalitis	9	--	--	1	3	1	2	2	--
Measles	4	2	2	1	1	--	--	--	--
Meningitis	30	8	12	5	--	2	9	2	--
Poliomyelitis	3	1	1	1	1	--	--	--	--
Scarlet fever	1	--	--	--	--	1	--	--	--
Syphilis	343	5	5	1	4	47	196	90	--
Typhoid & paratyphoid fever	6	--	--	--	2	1	1	2	--
Whooping cough	26	21	25	1	--	--	--	--	--
Other communicable diseases	37	3	9	3	1	10	2	12	--
Acute respiratory diseases	2,027	333	402	20	25	169	547	864	--
Influenza	204	17	27	4	3	11	32	127	--
Pneumonia	1,823	316	375	16	22	158	515	737	--
Tuberculosis - all forms	1,448	6	21	16	137	461	573	240	--
Pulmonary tuberculosis	1,337	2	10	9	118	431	547	222	--
Accidents - all forms	2,594	70	164	134	239	441	659	956	1
Motor vehicle	732	4	27	55	135	170	207	137	1
Home	943	62	114	30	16	69	127	587	--
Occupational	347	xxx	xxx	1	23	115	163	45	--
Public	572	4	23	48	65	87	162	187	--
Cancer	6,630	2	22	26	38	528	2,840	3,175	1
Cerebral hemorrhage	3,809	3	9	5	9	116	1,058	2,611	1
Diabetes	1,413	--	3	3	16	54	512	825	--
Diseases of digestive system	1,881	125	159	22	34	252	780	634	--
Cirrhosis of the liver	556	5	6	2	--	86	302	160	--
Diarrhea and enteritis	131	86	103	1	4	5	7	11	--
Goiter	99	--	--	--	1	13	44	41	--
Heart disease	18,009	7	15	21	51	753	5,688	11,478	3
Coronary	4,249	--	--	--	4	221	1,800	2,224	--
Chronic rheumatic	886	--	1	12	25	145	320	383	--
Homicide	179	6	6	1	35	91	38	8	--
Nephritis	2,759	1	9	10	22	201	727	1,790	--
Prostatic disease	296	--	--	--	--	1	34	261	--
Rheumatic fever	17	--	--	9	2	5	1	--	--
Suicide	438	xxx	xxx	2	25	116	195	100	--
ALL OTHER CAUSES	2,942	179	263	65	84	342	708	1,477	3
CAUSE AS YET UNASSIGNED	290	14	25	6	39	68	80	71	1

ENTIRE STATE-1940 population: Total 7,897,241; Urban 5,809,690; Rural 2,087,551.

For a detailed discussion of the 6 principal geographic Regions of the State see Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1944."

TABLE III DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA,
FIRST SIX MONTHS, 1947
(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	26,966	1,606	1,814	195	423	2,424	9,722	12,386	2
SELECTED CAUSES OF DEATH	25,454	1,497	1,653	160	355	2,184	9,277	11,823	2
Diseases of infancy	1,241	1,195	1,212	7	6	6	9	1	--
Maternal causes	52	xxx	xxx	--	9	43	--	xxx	--
Communicable diseases, total	203	20	25	8	6	26	101	37	--
Diphtheria	4	--	--	--	2	1	1	--	--
Dysentery - all forms	2	1	1	--	--	1	--	--	--
Encephalitis	2	--	--	--	1	--	1	--	--
Measles	2	2	2	--	--	--	--	--	--
Meningitis	26	5	9	4	--	2	9	2	--
Poliomyelitis	1	--	--	1	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	142	3	3	--	3	16	89	31	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	7	7	7	--	--	--	--	--	--
Other communicable diseases	17	2	3	3	--	6	1	4	--
Acute respiratory diseases	1,176	187	220	9	12	118	402	415	--
Influenza	40	4	6	3	1	1	12	17	--
Pneumonia	1,136	183	214	6	11	117	390	398	--
Tuberculosis - all forms	1,002	3	15	13	109	342	400	123	--
Pulmonary tuberculosis	922	1	7	6	92	318	384	115	--
Accidents - all forms	1,161	24	70	65	67	193	352	414	--
Motor vehicle	313	--	12	28	28	67	106	72	--
Home	434	24	49	15	10	40	84	236	--
Occupational	99	xxx	xxx	--	7	40	46	6	--
Public	315	--	9	22	22	46	116	100	--
Cancer	4,003	1	12	13	26	336	1,869	1,746	1
Cerebral hemorrhage	1,758	2	4	2	5	78	607	1,062	--
Diabetes	850	--	3	2	7	27	343	468	--
Diseases of digestive system	1,085	57	74	15	20	157	516	303	--
Cirrhosis of the liver	391	5	6	1	--	62	235	87	--
Diarrhea and enteritis	52	34	40	--	1	3	4	4	--
Goiter	60	--	--	--	--	10	28	22	--
Heart disease	10,829	3	7	15	35	567	4,019	6,185	1
Coronary	2,105	--	--	--	2	155	1,048	900	--
Chronic rheumatic	489	--	--	8	17	111	219	134	--
Homicide	134	5	5	1	25	69	27	7	--
Nephritis	1,521	--	6	2	16	151	471	875	--
Prostatic disease	139	--	--	--	--	--	23	116	--
Rheumatic fever	12	--	--	7	1	3	1	--	--
Suicide	228	xxx	xxx	1	11	58	109	49	--
ALL OTHER CAUSES	1,350	102	149	32	46	193	394	536	--
CAUSE AS YET UNASSIGNED	162	7	12	3	22	47	51	27	--

Chicago Metropolitan Area (Region I)--1940 population: Total 4,532,532; Urban 4,256,601; Rural 275,731.
Counties: Cook, DuPage, Kane, Lake, and Will.
(See mapbook for map of State by Regions.)

TABLE IV DEATHS AMONG RESIDENTS OF THE NORTHERN AREA,
FIRST SIX MONTHS, 1947
(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	5,037	322	388	43	78	329	1,206	2,993	--
SELECTED CAUSES OF DEATH	4,663	312	362	32	66	269	1,128	2,806	--
Diseases of infancy	265	248	258	1	2	3	1	--	--
Maternal causes	13	xxx	xxx	--	2	11	--	xxx	--
Communicable diseases, total	78	6	9	3	2	11	30	23	--
Diphtheria	1	--	--	1	--	--	--	--	--
Dysentery - all forms	--	--	--	--	--	--	--	--	--
Encephalitis	2	--	--	1	1	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	3	3	3	--	--	--	--	--	--
Poliomyelitis	1	--	--	--	1	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	58	--	--	1	--	9	29	19	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	3	3	3	--	--	--	--	--	--
Other communicable diseases	10	--	3	--	--	2	1	4	--
Acute respiratory diseases	216	32	47	1	7	11	35	115	--
Influenza	32	1	4	--	1	2	6	19	--
Pneumonia	184	31	43	1	6	9	29	96	--
Tuberculosis - all forms	141	--	1	1	4	35	64	36	--
Pulmonary tuberculosis	127	--	1	1	4	33	57	31	--
Accidents - all forms	295	14	27	16	35	38	54	125	--
Motor vehicle	88	1	3	5	20	18	22	20	--
Home	115	12	14	4	1	8	13	75	--
Occupational	19	xxx	xxx	1	2	4	8	4	--
Public	73	1	10	6	12	8	11	26	--
Cancer	627	1	2	6	2	42	222	353	--
Cerebral hemorrhage	456	--	--	--	2	9	105	340	--
Diabetes	146	--	--	1	--	7	39	99	--
Diseases of digestive system	203	10	16	1	4	32	70	80	--
Cirrhosis of the liver	35	--	--	--	--	9	14	12	--
Diarrhea and enteritis	15	7	10	--	1	1	1	2	--
Goiter	10	--	--	--	--	1	3	6	--
Heart disease	1,874	1	2	--	2	40	421	1,409	--
Coronary	588	--	--	--	1	14	211	362	--
Chronic rheumatic	93	--	--	--	1	7	24	61	--
Homicide	4	--	--	--	--	2	2	--	--
Nephritis	254	--	--	2	3	13	60	176	--
Prostatic disease	38	--	--	--	--	--	4	34	--
Rheumatic fever	--	--	--	--	--	--	--	--	--
Suicide	43	xxx	xxx	--	1	14	18	10	--
ALL OTHER CAUSES	348	9	23	10	8	57	72	178	--
CAUSE AS YET UNASSIGNED	26	1	3	1	4	3	6	9	--

Northern Area (Region 2)--1940 population: Total 782,705; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, DeKalb, Grundy, Henry, Jo Daviess, Kanebaw, Kendall, LaSalle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Vinnebago.

TABLE V DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA,
FIRST SIX MONTHS, 1947
(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	1,278	87	95	6	18	85	329	745	--
SELECTED CAUSES OF DEATH	1,140	79	85	6	14	77	302	656	--
Diseases of infancy	70	68	69	1	--	--	--	--	--
Maternal causes	7	xxx	xxx	--	2	5	--	xxx	--
Communicable diseases, total	19	1	3	--	--	1	8	7	--
Diphtheria	--	--	--	--	--	--	--	--	--
Dysentery - all forms	--	--	--	--	--	--	--	--	--
Encephalitis	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	16	--	--	--	--	1	8	7	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	2	1	2	--	--	--	--	--	--
Other communicable diseases	1	--	1	--	--	--	--	--	--
Acute respiratory diseases	52	6	6	--	2	2	13	29	--
Influenza	6	1	1	--	1	1	--	3	--
Pneumonia	46	5	5	--	1	1	13	26	--
Tuberculosis - all forms	25	--	--	--	1	7	7	10	--
Pulmonary tuberculosis	24	--	--	--	1	7	7	9	--
Accidents - all forms	85	3	5	3	5	16	14	42	--
Motor vehicle	23	--	2	1	3	8	7	2	--
Home	39	2	2	--	2	2	2	31	--
Occupational	9	xxx	xxx	--	--	4	1	4	--
Public	14	1	1	2	--	2	4	5	--
Cancer	151	--	--	--	--	12	62	77	--
Cerebral hemorrhage	109	--	--	--	--	2	24	83	--
Diabetes	32	--	--	--	1	3	11	17	--
Diseases of digestive system	45	1	2	1	--	6	13	23	--
Cirrhosis of the liver	13	--	--	--	--	2	5	6	--
Diarrhea and enteritis	--	--	--	--	--	--	--	--	--
Goiter	2	--	--	--	--	--	2	--	--
Heart disease	412	--	--	1	2	14	126	269	--
Coronary	129	--	--	--	--	4	50	75	--
Chronic rheumatic	43	--	--	1	2	5	18	17	--
Homicide	4	--	--	--	--	3	1	--	--
Nephritis	104	--	--	--	1	4	19	80	--
Prostatic disease	15	--	--	--	--	--	--	15	--
Rheumatic fever	--	--	--	--	--	--	--	--	--
Suicide	8	xxx	xxx	--	--	2	2	4	--
ALL OTHER CAUSES	138	8	10	--	4	8	27	89	--
CAUSE AS YET UNASSIGNED	--	--	--	--	--	--	--	--	--

Peoria Metropolitan Area (Region 3)--1940 population: Total 211,736; Urban 139,211; Rural 72,525.
Counties: Peoria and Tazewell.
(See method for map of State by Regions.)

TABLE VI DEATHS AMONG RESIDENTS OF THE CENTRAL AREA,
FIRST SIX MONTHS, 1947
(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	7,654	489	559	67	116	402	1,690	4,818	2
SELECTED CAUSES OF DEATH	7,058	451	507	53	106	354	1,572	4,466	--
Diseases of infancy	361	345	351	2	--	5	1	2	--
Maternal causes	13	xxx	xxx	--	3	10	--	xxx	--
Communicable diseases, total	92	5	8	--	4	11	40	29	--
Diphtheria	--	--	--	--	--	--	--	--	--
Dysentery - all forms	2	1	1	--	--	--	1	--	--
Encephalitis	2	--	--	--	--	--	--	2	--
Measles	1	--	--	--	1	--	--	--	--
Meningitis	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--
Scarlet fever	1	--	--	--	--	1	--	--	--
Syphilis	69	--	--	--	1	7	38	23	--
Typhoid & paratyphoid fever	5	--	--	--	1	1	1	2	--
Whooping cough	7	4	7	--	--	--	--	--	--
Other communicable diseases	5	--	--	--	1	2	--	2	--
Acute respiratory diseases	303	58	75	7	1	16	44	160	--
Influenza	54	4	8	1	--	2	5	38	--
Pneumonia	249	54	67	6	1	14	39	122	--
Tuberculosis - all forms	101	--	--	2	5	25	41	28	--
Pulmonary tuberculosis	95	--	--	2	4	24	40	25	--
Accidents - all forms	479	15	31	28	60	73	78	209	--
Motor vehicle	163	1	7	13	45	38	34	26	--
Home	185	12	22	5	--	8	14	136	--
Occupational	48	xxx	xxx	--	3	17	13	15	--
Public	83	2	2	10	12	10	17	32	--
Cancer	1,007	--	3	2	4	64	353	581	--
Cerebral hemorrhage	846	--	3	2	1	11	170	659	--
Diabetes	206	--	--	--	3	11	58	134	--
Diseases of digestive system	288	25	31	4	6	24	98	125	--
Cirrhosis of the liver	63	--	--	1	--	5	24	33	--
Diarrhea and enteritis	31	21	26	1	2	--	1	1	--
Goiter	17	--	--	--	1	1	6	9	--
Heart disease	2,677	3	5	2	6	63	553	2,048	--
Coronary	843	--	--	--	--	22	275	546	--
Chronic rheumatic	146	--	--	1	3	11	29	102	--
Homicide	11	--	--	--	3	6	2	--	--
Nephritis	514	--	--	3	--	15	88	408	--
Prostatic disease	56	--	--	--	--	--	2	54	--
Rheumatic fever	4	--	--	1	1	2	--	--	--
Suicide	83	xxx	xxx	--	8	17	38	20	--
ALL OTHER CAUSES	554	36	48	12	9	39	111	334	1
CAUSE AS YET UNASSIGNED	42	2	4	2	1	9	7	18	1

Central Area (Region 4)--1940 population. Total 1,551,175; Urban 551,587; Rural 779,588. Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Cole, Cumberland, De Witt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McHenry, Marion, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.

TABLE VII DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA,
FIRST SIX MONTHS, 1947
(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	1,891	143	157	7	39	137	526	1,024	1
SELECTED CAUSES OF DEATH	1,722	134	144	7	30	121	484	935	1
Diseases of infancy	105	100	102	--	--	3	--	--	--
Maternal causes	5	xxx	xxx	--	4	1	--	xxx	--
Communicable diseases, total	30	2	3	1	--	7	15	4	--
Diphtheria	1	--	1	--	--	--	--	--	--
Dysentery - all forms	--	--	--	--	--	--	--	--	--
Encephalitis	1	--	--	--	--	--	1	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	26	1	1	--	--	7	14	4	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	2	1	1	1	--	--	--	--	--
Other communicable diseases	--	--	--	--	--	--	--	--	--
Acute respiratory diseases	79	15	16	--	--	6	22	35	--
Influenza	19	2	2	--	--	1	5	11	--
Pneumonia	60	13	14	--	--	5	17	24	--
Tuberculosis - all forms	42	--	1	--	4	16	15	6	--
Pulmonary tuberculosis	41	--	1	--	4	16	15	5	--
Accidents - all forms	103	7	9	2	13	14	19	46	--
Motor vehicle	22	--	--	--	6	7	8	1	--
Home	53	7	9	--	1	3	3	37	--
Occupational	8	xxx	xxx	--	1	2	3	2	--
Public	20	--	--	2	5	2	5	6	--
Cancer	206	--	2	2	--	18	79	105	--
Cerebral hemorrhage	203	--	--	--	1	5	52	144	1
Diabetes	53	--	--	--	1	--	23	29	--
Diseases of digestive system	81	10	11	--	1	7	28	34	--
Cirrhosis of the liver	16	--	--	--	--	2	8	6	--
Diarrhea and enteritis	13	10	11	--	--	--	1	1	--
Goiter	4	--	--	--	--	--	3	1	--
Heart disease	653	--	--	1	2	23	185	442	--
Coronary	157	--	--	--	--	8	66	83	--
Chronic rheumatic	27	--	--	1	--	5	8	13	--
Homicide	11	--	--	--	3	5	2	1	--
Nephritis	113	--	--	1	1	7	29	75	--
Prostatic disease	10	--	--	--	--	--	2	8	--
Rheumatic fever	--	--	--	--	--	--	--	--	--
Suicide	24	xxx	xxx	--	--	9	10	5	--
ALL OTHER CAUSES	142	8	10	--	3	10	35	84	--
CAUSE AS YET UNASSIGNED	27	1	3	--	6	6	7	5	--

East St. Louis Metropolitan Area (Region 5)--1940 population: Total 316,248; Urban 213,175; Rural 105,073
Counties: Madison and St. Clair.
(See method for map of State by Region.)

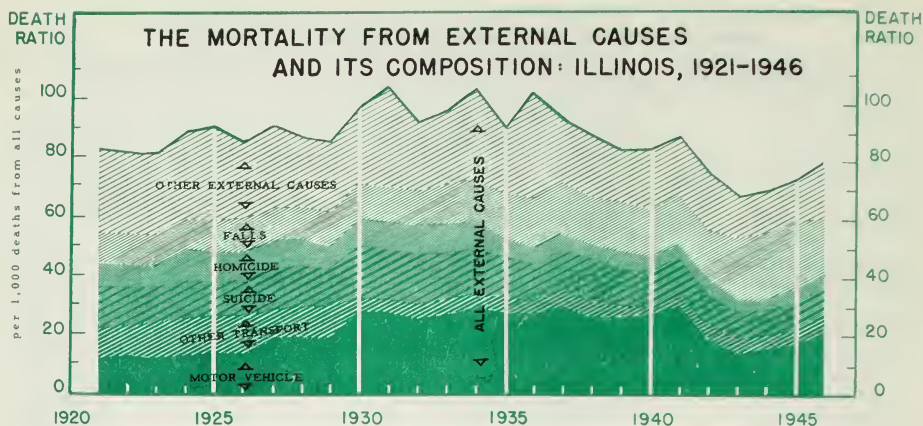
TABLE VIII DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA,
FIRST SIX MONTHS, 1947

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	3,960	268	301	35	82	277	925	2,336	4
SELECTED CAUSES OF DEATH	3,596	250	278	27	71	257	866	2,095	2
Diseases of infancy	175	173	174	--	--	1	--	--	--
Maternal causes	17	xxx	xxx	--	5	11	1	xxx	--
Communicable diseases, total	45	10	14	2	2	8	13	6	--
Diphtheria	2	--	2	--	--	--	--	--	--
Dysentery - all forms	3	2	3	--	--	--	--	--	--
Encephalitis	2	--	--	--	1	1	--	--	--
Measles	1	--	--	1	--	--	--	--	--
Meningitis	1	--	--	1	--	--	--	--	--
Poliomyelitis	1	1	1	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	26	1	1	--	--	7	13	5	--
Typhoid & paratyphoid fever	1	--	--	--	1	--	--	--	--
Whooping cough	5	5	5	--	--	--	--	--	--
Other communicable diseases	3	1	2	--	--	--	--	1	--
Acute respiratory diseases	176	33	36	3	3	11	23	100	--
Influenza	50	4	5	--	--	3	4	38	--
Pneumonia	126	29	31	3	3	8	19	62	--
Tuberculosis - all forms	115	3	4	--	8	33	34	36	--
Pulmonary tuberculosis	109	1	1	--	8	32	32	36	--
Accidents - all forms	362	7	20	16	37	68	114	107	--
Motor vehicle	65	2	3	4	17	17	12	12	--
Home	101	5	16	6	1	4	9	65	--
Occupational	148	xxx	xxx	--	9	37	89	13	--
Public	48	--	1	6	10	10	4	17	--
Cancer	465	--	1	--	3	37	160	264	--
Cerebral hemorrhage	377	1	2	--	--	9	80	286	--
Diabetes	108	--	--	--	2	6	32	68	--
Diseases of digestive system	145	21	24	1	2	15	46	57	--
Cirrhosis of the liver	32	--	--	--	--	4	14	14	--
Diarrhea and enteritis	18	13	15	--	--	1	--	2	--
Goiter	5	--	--	--	--	--	2	3	--
Heart disease	1,294	--	--	2	3	34	286	967	2
Coronary	330	--	--	--	1	12	110	207	--
Chronic rheumatic	72	--	--	1	2	5	15	49	--
Homicide	8	1	1	--	2	3	2	--	--
Nephritis	226	1	2	1	1	9	54	159	--
Prostatic disease	33	--	--	--	--	1	2	30	--
Rheumatic fever	1	--	--	1	--	--	--	--	--
Suicide	44	xxx	xxx	1	3	11	17	12	--
ALL OTHER CAUSES	351	16	21	8	11	19	57	233	2
CAUSE AS YET UNASSIGNED	13	2	2	--	--	1	2	8	--

Southern Area (Region 6)--1940 population: Total 723,047; Urban 226,885; Rural 496,162.

Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Macon, Monroe, Perry, Pope, Polk, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.



DEATHS FROM EXTERNAL CAUSES PER THOUSAND DEATHS ALL CAUSES:
ILLINOIS, 1921 - 1946

Year	All External Causes	Suicide	Homicide	Legal Executions	Motor Vehicle	Other Transport	Mining and Quarrying	Conflagration	Burns	Drowning	Falls	Other External Causes
1921	84.6	13.3	8.1	*	12.0	11.3	2.9	0.4	4.5	5.3	9.9	16.9
1922	82.4	11.8	8.5	*	13.3	10.6	1.8	1.0	4.0	4.7	10.3	16.4
1923	82.0	10.8	8.7	*	12.0	12.5	2.2	1.0	4.1	4.0	10.1	16.6
1924	89.0	13.1	10.6	*	13.1	12.1	2.4	1.4	4.5	4.6	10.9	16.3
1925	91.2	11.7	10.7	*	14.2	11.4	1.6	1.0	4.0	4.6	10.7	21.3
1926	85.4	12.4	9.9	*	14.6	11.7	1.9	1.3	3.8	4.0	11.1	14.7
1927	90.6	13.5	9.1	*	18.5	10.2	1.4	1.3	4.2	5.2	11.1	16.1
1928	87.1	13.6	8.8	*	19.5	10.2	1.5	1.3	3.3	4.2	10.7	14.0
1929	85.1	12.4	7.7	*	19.3	10.6	1.3	1.6	3.1	4.2	11.9	13.0
1930	97.6	16.6	9.6	0.1	27.3	6.1	1.4	1.2	3.3	4.7	12.6	14.7
1931	103.8	16.4	9.3	0.1	27.6	5.4	1.2	0.9	2.8	5.3	11.8	23.0
1932	92.3	17.1	9.0	0.1	25.3	5.0	1.5	1.1	3.0	3.9	12.6	13.7
1933	95.7	16.0	10.1	0.1	26.4	5.7	1.0	0.6	3.1	3.3	13.2	16.2
1934	103.3	15.2	8.7	0.1	29.5	5.0	1.0	0.6	3.0	3.1	15.2	21.9
1935	89.9	14.5	6.4	0.1	27.3	4.7	0.9	0.6	2.7	2.7	15.2	14.8
1936	102.5	12.6	5.4	0.0	27.2	4.8	1.1	1.0	2.9	2.5	16.6	28.4
1937	92.4	14.2	5.6	0.1	30.0	5.0	1.0	1.1	2.6	2.6	17.7	12.5
1938	87.8	14.9	4.9	0.1	25.9	5.0	1.0	0.9	2.5	2.6	16.8	13.2
1939	82.7	13.4	4.8	0.0	25.9	4.4	1.0	0.7	2.3	2.2	16.7	11.3
1940	83.3	13.1	3.9	0.0	26.2	3.6	1.0	1.1	2.5	2.8	16.9	12.2
1941	87.7	12.2	4.2	0.0	30.0	4.4	1.1	0.9	2.5	3.2	17.3	11.9
1942	74.9	10.8	4.1	0.0	19.0	4.7	1.1	0.9	2.6	3.1	17.3	11.3
1943	67.1	9.0	3.2	0.0	14.1	4.9	1.1	1.2	3.3	3.1	17.7	10.1
1944	68.5	8.7	3.6	0.0	15.1	5.1	1.2	1.6	2.7	2.6	17.6	10.3
1945	72.3	9.5	4.0	0.0	17.3	4.6	0.9	2.1	2.5	2.4	18.9	9.8
1946	78.7	10.6	5.4	-0-	20.6	5.0	0.8	2.1	2.7	2.6	18.9	10.0

*Included in Other External Causes. Rate 0.0 indicates less than 5 deaths. Rate -0- indicates zero deaths.

HEALTH STATISTICS BULLETIN

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
SPRINGFIELD, ILLINOIS
Return postage guaranteed

HEALTH STATISTICS BULLETIN

State of Illinois
Dwight H. Green
Governor



Department of Public Health
Roland R. Cross, M. D.
Director

Division of Vital Statistics & Records--- O. K. Sagen, Ph.D., Chief

THE LIBRARY OF THE

MAR 2 1948

Springfield, Illinois

1947 Series, No. 3

February 1948

PROVISIONAL ANNUAL STATISTICS FOR 1947

For the second consecutive year the Illinois birth rate has reached a new high. There were 191,866 live births registered in Illinois during 1947, making a rate of 23.3 live births for each thousand inhabitants. A great boom in births has continued throughout the entire United States ever since the fall of 1946. Therefore, there is little likelihood that Illinois will rank higher among the states than it did in 1946 when Illinois' birth rate was 45th with 20.9. The boom has been gradually receding from the all-time high in October of 1946 and the outlook for 1948 is a continued recession from these high birth rates.

The most significant health note in the 1947 record is that our gains in saving the lives of young babies have been preserved in spite of the heavy load on hospitals and physicians. The 1947 infant death rate represents a new milestone in the battle to save life in that dangerous first year. There were only 28.4 deaths among less than one year old babies for every 1,000 born during the year. Premature birth is still the most frequent cause of

death among babies. This largely accounts for the fact that four out of every five babies who die in the first year of life die in the first month.

Although the figures on maternal deaths are not yet complete, it is quite certain that the record will show our high birth rate is accompanied by an unusually low maternal mortality. Indications are that only about twelve will have died from maternal causes for every 10,000 babies born alive.

The 92,230 deaths in the state during 1947 account for a general death rate of 11.2 deaths per 1,000 population. While this is higher than the 1946

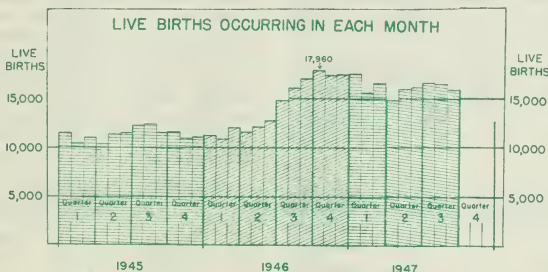
rate of 10.8 the increase is not alarming. Heart disease and cancer account for over one half of all deaths that now occur. Since the increase in deaths is found among the oldest age groups, what we are seeing is the effect of deferred mortality beginning to catch up with us as heart disease and cancer contribute an ever increasing share to fatal illness.

Intensified effort in the early detection and treatment of cancer have not as yet been reflected in the crude mortality rates. But even if we should soon meet with lowering mortality from cancer, it is only through better prevention and management of heart disease that there is any hope of averting a steady rise in the general death rate.

The provisional annual rates for 1947 are:

State Chicago Downstate

Live births per 1000 population....	23.3	23.1	23.5
Deaths per 1000 population.....	11.2	10.9	11.4
Infant deaths per 1000 live births...	28.4	27.2	29.4
Stillbirths per 1000 live births.....	18.9	19.9	18.1



Note: 1947 figures are based on January-November birth registrations.

Page 3 gives the distribution of all births and deaths in 1947 according to place of occurrence for all registrations reported to the Illinois Department of Public Health up to January 30, 1948. Final figures will differ little from these provisional tabulations.

PRODUCTION DIFFICULTIES HAVE DELAYED THIS BULLETIN BY ALMOST THREE MONTHS. THE NEXT ISSUE WILL COME OUT LATE IN MARCH AND WILL CONTAIN A COMPLETE SUMMARY OF THE 1947 ANNUAL STATISTICS

THE THREE QUARTER MARK OF 1947

There were 143,945 live births registered during the first nine months of this year giving a birth rate of 23.4 per thousand inhabitants. As usual, Downstate with its 82,479 live births and a birth rate of 23.8 per thousand inhabitants exceeds Chicago in both respects.

TABLE A - BIRTH AND DEATH RATES FOR THE FIRST NINE MONTHS

	1947	1946
LIVE BIRTHS per 1,000 population	23.4	18.6
DEATHS per 1,000 population	11.2	11.0

Note: Rates are expressed as their ANNUAL equivalents based on estimates of Illinois' population in the first nine months as follows: May 15, 1947 - 8,207,169; May 15, 1946 - 7,990,021.

Infant and maternal mortality have both been lower during the current birth boom than ever before. Part of this is due to the fact that a rising birth rate tends to artificially depress these standards of measurement of the force of mortality due to child bearing and to the risks associated with early infancy.

It is apparent that the improvement in both infant and maternal mortality is in part due to the increased use of hospitals. In 1943, 87.8 per cent of all births took place in hospitals but in 1946, this rose to 93.1. Currently, about ninety-four per cent of our babies are born in hospitals. Most of this increase took place in downstate Illinois. Hospital births Downstate rose from 82.7 per cent in 1943 to 91.3 per cent in 1946. In the same period, hospital births in Chicago rose from 94.3 per cent to 95.6 per cent. Such better care coupled with the widespread use of the so-called "miracle medicines" (sulfa and antibiotics) has evidently been effective in reducing maternal and infant mortality. Fatal diarrhea of the newborn has been markedly lower, largely because repetitions of the tragic hospital outbreaks that marked 1946 have been avoided.

TABLE B - FETAL INFANT, AND MATERNAL MORTALITY RATES: FIRST NINE MONTHS

	Per 1,000 live births	
	1947	1946
FETAL MORTALITY (Stillbirths)	19.0	22.8
NEONATAL MORTALITY (under 1 month)	22.2	24.5
INFANT MORTALITY (under 1 year)	29.6	32.5
Premature birth	10.4	12.3
MATERNAL MORTALITY	1.1	1.6

Despite this improvement, the neonatal rate shows that much remains to be done. The neonatal death rate is not as affected by the increase in the birth rate as are the infant and maternal death rates. Currently, the neonatal death rate is 22.2 per thousand live births for the first nine months of 1947. Although this is a considerable improvement over the rate of 24.5 per thousand

live births for the same period of 1946, it is little if any better than the all time low of 21.8 reached in 1944. An examination of the causes of death that claim the lives of infants before they reach one month of age shows that deaths due to prematurity accounted for the bulk of the increase in 1945 and 1946. Even though prematurity as a cause of death is practically limited to young babies, it stands ninth on the list of leading causes of death among the entire population.

Diabetes mortality continues its gradual increase. There were 108 more diabetes deaths during the first nine months of 1947 than in the same period of 1946. The increase is largely confined to the aged, as over fifty-five per cent of diabetes deaths occur in persons sixty-five years or older.

TABLE C - MORTALITY FROM THE TEN LEADING CAUSES FOR THE FIRST NINE MONTHS

Cause	Deaths per 100 thousand inhabitants	1947	1946
1. HEART DISEASE	416.2	392.0	
2. CANCER	161.6	159.3	
3. CEREBRAL HEMORRHAGE	89.9	87.7	
4. ALL ACCIDENTS	65.5	64.3	
5. NEPHRITIS	64.0	70.5	
6. INFLUENZA AND PNEUMONIA	40.5	38.0	
7. TUBERCULOSIS	34.7	38.0	
8. DIABETES	33.1	32.2	
9. PREMATURE BIRTH	24.3	22.9	
10. ARTERIOSCLEROSIS	17.6	19.9	

Note: Rates are expressed as their annual equivalents.

This year's springtime outbreak brought the pneumonia death rate to its highest point in the last three years. A fuller discussion of pneumonia mortality is given on the back page of this Bulletin. Tuberculosis mortality continues on its gradual downgrade indicating that efforts at tuberculosis control have not been in vain.

There were 1,152 deaths from motor vehicles in the nine month period ending September 30, 1947, one less than in the same period of 1946. However, the rate in 1947 is 18.7 per hundred thousand inhabitants as compared to 19.2 in 1946. This slight decrease in the face of increased auto mileage in

TABLE D - ACCIDENTAL DEATHS FOR THE FIRST NINE MONTHS

Cause	Number of deaths	Deaths per 100 thousand inhabitants	1947	1946
ALL ACCIDENTS	4,030	3,851	65.5	64.3
Motor vehicle	1,152	1,153	18.7	19.2
Home accidents	1,327	1,267	21.6	21.1
Occupational	514	383	8.4	6.4
Public accidents	1,037	1,048	16.8	17.5

Note: Rates are expressed as their annual equivalents.

1946 is gratifying evidence of a betterment in traffic safety.

Public accident deaths have been lower in 1947 than in 1946, in number as well as rate, mainly because there has been no repetition of public disasters on the scale of the Naperville train wreck and the LaSalle Hotel fire that gave 1946 its bad record. Fatalities from accidents in the home have increased measurably. There were 1,327 home accidents in the first nine months of 1947 for a rate of 21.6 per hundred thousand inhabitants as compared to 1,267 deaths in the same period of 1946

for a rate of 21.1. The increase occurred among children less than one year of age and among those who had passed their sixty-fifth birthday.

Deaths from accidents associated with the decedent's occupation were 34 per cent higher for the first nine months of 1947 than in the same period of 1946. Had it not been for two serious coal mine accidents in 1947, the total number of occupational-accident deaths would have been very nearly the same, and the 1947 rate would actually have been a bit lower than in 1946.

* * *

BIRTHS AND DEATHS OCCURRING IN EACH COUNTY OF ILLINOIS DURING 1947

(PROVISIONAL ANNUAL FIGURES)

County	*Estimated Population	Live Births	Still- births	Deaths	County	*Estimated Population	Live Births	Still- births	Deaths
Entire State	8,221,000	191,866	3,625	92,230	LaSalle	101,005	2,510	46	1,138
Chicago	3,583,088	82,705	1,648	39,163	Lawrence	21,262	170	1	175
Downstate	4,637,912	109,161	1,977	53,067	Lee	35,251	751	11	480
Adams	67,157	1,727	32	929	Livingston	39,212	754	16	436
Alexander	26,326	850	32	356	Logan	30,021	652	15	469
Bond	14,573	35	--	93	McDonough	27,315	692	21	368
Boone	15,435	437	10	232	McHenry	37,990	788	3	434
Brown	7,973	35	--	75	McLean	75,831	2,097	24	870
Bureau	38,159	923	17	439	Macon	88,061	2,783	46	1,030
Calhoun	8,022	84	3	52	Macoupin	47,379	319	8	352
Carroll	18,176	360	5	181	Madison	155,870	4,247	86	1,834
Cass	16,710	378	7	157	Marion	49,128	1,220	36	455
Champaign	72,605	2,483	38	786	Marshall	13,263	23	--	98
Christian	39,352	922	15	349	Mason	15,525	52	1	107
Clark	18,789	93	1	144	Massac	15,163	268	6	192
Clay	18,985	150	2	107	Menard	10,703	38	--	68
Clinton	23,213	389	11	194	Mercer	17,755	19	1	90
Coles	39,520	1,150	35	441	Monroe	12,745	14	--	81
Cook	4,283,924	100,527	1,924	47,883	Montgomery	35,075	979	21	502
Crawford	21,513	476	9	222	Morgan	37,273	844	24	822
Cumberland	11,522	58	1	72	Moultrie	13,490	44	--	75
DeKalb	35,078	1,075	19	449	Ogle	30,133	354	7	267
DeWitt	18,498	248	3	176	Peoria	160,429	5,202	92	2,163
Douglas	17,770	423	3	178	Perry	23,924	643	11	279
DuPage	108,324	1,910	34	1,005	Piatt	14,737	181	2	113
Edgar	24,692	496	9	276	Pike	25,311	390	4	240
Edwards	9,003	72	4	67	Pope	7,813	68	4	69
Effingham	22,180	943	12	289	Pulaski	16,059	161	11	123
Fayette	29,070	587	12	285	Putnam	5,321	4	--	32
Ford	15,089	259	1	144	Randolph	34,356	687	11	346
Franklin	54,900	474	8	426	Richland	17,273	650	14	270
Fulton	45,401	930	18	443	Rock Island	118,692	3,314	48	1,543
Gallatin	11,395	151	3	80	St. Clair	175,151	4,423	98	1,962
Greene	20,431	508	10	174	Saline	39,076	1,029	15	423
Grundy	18,720	397	3	171	Sangamon	122,521	3,433	66	1,607
Hamilton	13,149	247	3	126	Schuyler	11,330	128	1	113
Hancock	26,533	223	3	231	Scott	8,165	23	--	53
Hardin	7,698	161	10	71	Shelby	26,141	420	6	207
Henderson	8,953	21	--	34	Stark	8,863	9	1	50
Henry	44,747	1,110	23	489	Stephenson	41,643	1,306	23	528
Iroquois	32,450	591	11	284	Tazewell	60,324	1,011	29	433
Jackson	38,753	1,102	28	391	Union	21,582	477	9	477
Jasper	13,138	58	1	94	Vermilion	89,821	2,198	22	1,173
Jefferson	34,783	1,084	21	338	Wabash	13,960	184	2	107
Jersey	13,725	115	1	99	Warren	21,533	648	6	261
Jo Daviess	20,116	98	1	163	Washington	15,711	46	2	220
Johnson	10,513	134	3	112	Wayne	21,724	260	5	161
Kane	136,076	4,896	90	2,158	White	20,081	238	1	183
Kankakee	62,919	1,595	35	1,471	Whiteside	44,385	1,077	25	469
Kendall	11,097	3	--	58	Will	118,876	2,910	49	1,269
Knox	53,842	1,359	21	597	Williamson	53,044	1,247	31	588
Lake	126,774	3,732	65	1,331	Winnebago	126,755	3,765	66	1,361
					Woodford	19,178	37	1	142

*As of July 1, 1947.

TABLE I LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE, FIRST NINE MONTHS, 1947

County	*Estimated Population	Live Births	Stillbirths	Deaths	County	*Estimated Population	Live Births	Stillbirths	Deaths
Entire State	8,207,169	143,945	2,732	69,236	LaSalle	100,839	1,892	36	866
Chicago	3,577,002	61,466	1,240	29,160	Lawrence	21,227	129	1	128
Downstate	4,630,167	82,479	1,492	40,076	Lee	35,193	567	9	361
Adams	67,047	1,302	22	716	Livingston	39,148	568	12	325
Alexander	26,283	673	25	271	Logan	29,972	488	10	341
Bond	14,549	29	--	76	McDonough	27,270	518	14	275
Boone	15,410	323	8	171	McHenry	37,928	591	2	325
Brown	7,960	24	--	55	McLean	75,706	1,613	21	657
Bureau	38,096	676	15	322	Macon	87,916	2,103	32	764
Calhoun	8,009	70	2	39	Macoupin	47,301	261	6	250
Carroll	18,146	268	4	139	Madison	155,614	3,187	69	1,386
Cass	16,682	282	6	123	Marion	49,047	953	25	341
Champaign	72,486	1,898	29	598	Marshall	13,241	18	--	79
Christian	39,287	683	12	254	Mason	15,500	44	1	87
Clark	18,758	74	1	113	Massac	15,138	210	5	142
Clay	18,954	100	2	81	Menard	10,685	31	--	48
Clinton	23,175	284	6	151	Mercer	17,719	13	1	64
Coles	39,455	853	28	324	Monroe	12,724	14	--	62
Cook	4,276,687	74,970	1,455	35,722	Montgomery	35,017	748	15	364
Crawford	21,478	380	7	171	Morgan	37,212	637	16	636
Cumberland	11,503	52	1	58	Moultrie	13,468	33	--	49
DeKalb	35,020	834	12	334	Ogle	30,083	268	6	211
Dewitt	18,468	186	3	128	Peoria	160,166	3,933	67	1,640
Douglas	17,741	316	3	142	Perry	23,685	485	9	215
DuPage	108,146	1,445	23	742	Piatt	14,713	132	2	92
Edgar	24,652	378	6	208	Pike	25,269	305	2	181
Edwards	8,988	56	4	48	Pope	7,800	53	3	57
Effingham	22,144	701	10	218	Pulaski	16,033	119	7	90
Fayette	29,022	432	9	228	Putnam	5,312	3	--	23
Ford	15,064	208	1	103	Randolph	34,300	517	6	257
Franklin	54,810	329	7	331	Richland	17,245	498	9	192
Fulton	45,326	688	16	346	Rock Island	118,479	2,451	36	1,185
Gallatin	11,376	114	3	65	St. Clair	174,798	3,341	69	1,503
Greene	20,397	340	7	129	Saline	39,012	792	14	322
Grundy	18,689	296	--	125	Sangamon	122,320	2,532	50	1,240
Hamilton	13,127	181	3	89	Schuyler	11,311	98	1	86
Hancock	26,467	175	3	185	Scott	8,152	16	--	39
Hardin	7,685	125	8	49	Shelby	26,098	347	5	164
Henderson	8,931	19	--	29	Stark	8,848	6	1	33
Henry	44,674	826	18	350	Stephenson	41,575	1,005	14	407
Iroquois	32,397	435	7	203	Tazewell	60,225	746	20	338
Jackson	38,689	821	21	301	Union	21,547	378	8	383
Jasper	13,116	47	1	70	Vermilion	89,673	1,691	16	892
Jefferson	34,726	825	15	251	Wabash	13,937	140	2	83
Jersey	13,701	95	1	73	Warren	21,498	488	4	178
Jo Daviess	20,083	76	--	119	Washington	15,685	37	1	186
Johnson	10,496	98	2	88	Wayne	21,688	196	5	124
Kane	135,853	3,700	62	1,592	White	20,048	174	1	125
Kankakee	62,816	1,183	27	1,107	Whiteside	44,312	815	22	350
Kendall	11,079	3	--	44	Will	118,681	2,167	36	957
Knox	53,753	1,018	16	455	Williamson	52,957	948	24	449
Lake	126,559	2,820	51	994	Winnebago	126,547	2,906	54	1,042
					Woodford	19,147	29	1	112

*As of May 15, 1947. Projected from U.S. Census estimate for July 1, 1946.

TABLE II DEATHS IN ILLINOIS, FIRST NINE MONTHS, 1947
(All occurrences within the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	69,236	4,258	4,895	567	1,315	5,600	21,542	35,302	15
SELECTED CAUSES OF DEATH	64,393	4,002	4,501	467	1,103	4,964	20,307	33,041	10
Diseases of infancy	3,374	3,222	3,293	16	14	25	21	5	--
Maternal causes	152	xxx	xxx	--	41	109	2	xxx	--
Communicable diseases, total	717	52	88	20	22	96	335	156	--
Diphtheria	8	--	3	1	2	1	1	--	--
Dysentery - all forms	11	4	7	--	--	1	2	1	--
Encephalitis	18	--	1	1	3	5	5	3	--
Measles	7	2	4	1	1	--	--	1	--
Meningitis	35	9	16	5	--	3	9	2	--
Poliomyelitis	18	2	5	6	5	2	--	--	--
Scarlet fever	1	--	--	--	--	1	--	--	--
Syphilis	520	6	7	1	6	66	311	129	--
Typhoid & paratyphoid fever	9	--	--	--	3	1	1	4	--
Whooping cough	35	26	34	1	--	--	--	--	--
Other communicable diseases	55	3	11	4	2	16	6	16	--
Acute respiratory diseases	2,495	405	497	28	28	215	665	1,062	--
Influenza	208	17	27	5	3	11	32	130	--
Pneumonia	2,287	388	470	23	25	204	633	932	--
Tuberculosis - all forms	2,133	11	37	22	209	682	841	342	--
Pulmonary tuberculosis	1,966	4	14	13	184	641	793	321	--
Accidents - all forms	4,030	99	244	223	439	695	1,008	1,419	2
Motor vehicle	1,152	5	45	86	240	255	314	211	1
Home	1,327	85	156	41	22	92	185	831	--
Occupational	514	xxx	xxx	1	46	174	225	68	--
Public	1,037	9	43	95	131	174	284	309	1
Cancer	9,946	3	31	41	53	774	4,267	4,779	1
Cerebral hemorrhage	5,533	4	16	9	13	168	1,525	3,801	1
Diabetes	2,035	1	4	6	20	82	738	1,185	--
Diseases of digestive system	2,857	184	245	41	59	376	1,154	982	--
Cirrhosis of the liver	835	6	8	2	--	133	439	253	--
Diarrhea and enteritis	188	125	148	2	4	7	8	19	--
Goiter	137	--	--	--	3	16	60	58	--
Heart disease	25,618	10	21	29	77	1,117	8,226	16,143	5
Coronary	6,218	2	2	--	7	319	2,687	3,203	--
Chronic rheumatic	1,248	--	2	17	39	217	455	518	--
Homicide	269	10	12	3	51	140	53	10	--
Nephritis	3,941	1	12	12	35	281	1,038	2,562	1
Prostatic disease	431	--	--	--	--	1	54	376	--
Rheumatic fever	29	--	1	13	2	9	3	1	--
Suicide	696	xxx	xxx	4	37	178	317	160	--
ALL OTHER CAUSES	4,297	235	356	91	137	508	1,073	2,129	3
CAUSE AS YET UNASSIGNED	546	21	38	9	75	128	162	132	2

ENTIRE STATE--1940 population: Total 7,897,841; Urban 5,809,690; Rural 2,087,591.

For a detailed discussion of the 6 principal geographic Regions of the State see Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1944."

TABLE III DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA,
FIRST NINE MONTHS, 1947
(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-54 yrs.	65 yrs. 5 over	Un- known
ALL DEATHS - ALL CAUSES	39,088	2,341	2,673	292	678	3,556	14,165	17,720	4
SELECTED CAUSES OF DEATH	36,763	2,198	2,456	240	559	3,176	13,450	16,878	4
Diseases of infancy	1,869	1,789	1,822	9	9	10	16	3	--
Maternal causes	74	xxx	xxx	--	17	56	1	--	--
Communicable diseases, total	306	23	38	10	12	38	155	53	--
Diphtheria	4	--	--	--	2	1	1	--	--
Dysentery - all forms	2	1	1	--	--	1	--	--	--
Encephalitis	7	--	--	--	1	4	2	--	--
Measles	4	2	4	--	--	--	--	--	--
Meningitis	29	5	12	4	--	2	9	2	--
Poliomylitis	11	1	3	3	4	1	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	213	4	4	--	4	--	--	--	--
Typhoid & paratyphoid fever	2	--	--	--	1	--	141	44	--
Whooping cough	9	8	9	--	--	--	--	1	--
Other communicable diseases	25	2	5	3	--	9	2	6	--
Acute respiratory diseases	1,471	236	281	12	14	147	482	535	--
Influenza	40	4	6	3	1	1	12	17	--
Pneumonia	1,431	232	275	9	13	146	470	518	--
Tuberculosis - all forms	1,471	8	30	19	167	506	581	168	--
Pulmonary tuberculosis	1,347	3	11	10	144	475	547	160	--
Accidents - all forms	1,759	39	112	99	127	296	531	594	--
Motor vehicle	483	--	22	38	53	100	165	105	--
Home	588	36	74	21	11	51	112	319	--
Occupational	150	xxx	xxx	--	12	55	69	14	--
Public	538	3	16	40	51	90	185	156	--
Cancer	6,033	2	17	24	34	495	2,820	2,642	1
Cerebral hemorrhage	2,599	2	5	3	7	113	895	1,576	--
Diabetes	1,238	--	3	4	7	43	499	682	--
Diseases of digestive system	1,618	88	121	24	34	228	745	466	--
Cirrhosis of the liver	575	6	8	1	--	97	329	140	--
Diarrhea and enteritis	74	53	60	1	1	3	5	4	--
Goiter	79	--	--	--	1	11	37	30	--
Heart disease	15,324	3	9	20	54	830	5,751	8,657	3
Coronary	3,093	--	--	--	4	216	1,568	1,305	--
Chronic rheumatic	703	--	1	11	28	164	305	194	--
Homicide	197	8	9	2	38	103	36	9	--
Nephritis	2,145	--	9	3	23	201	681	1,228	--
Prostatic disease	201	--	--	--	--	--	36	165	--
Rheumatic fever	15	--	--	9	1	4	1	--	--
Suicide	364	xxx	xxx	2	14	95	183	70	--
ALL OTHER CAUSES	2,008	133	196	46	73	300	609	784	--
CAUSE AS YET UNASSIGNED	317	10	21	6	46	80	106	58	--

Chicago Metropolitan Area (Region I)--1940 population: Total 4,532,332; Urban 4,236,601; Rural 275,731.
Counties: Cook, DuPage, Kane, Lake, and Will.
(See maphead for map of State by Regions.)

TABLE IV DEATHS AMONG RESIDENTS OF THE NORTHERN AREA,
FIRST NINE MONTHS, 1947

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	7,393	466	562	61	134	498	1,820	4,318	--
SELECTED CAUSES OF DEATH	6,843	449	519	50	115	415	1,705	4,039	--
Diseases of infancy	398	372	386	2	3	4	3	--	--
Maternal causes	16	xxx	xxx	--	2	14	--	xxx	--
Communicable diseases, total	125	10	15	4	2	18	54	32	--
Diphtheria	1	--	--	1	--	--	--	--	--
Dysentery - all forms	1	--	--	--	--	--	1	--	--
Encephalitis	2	--	--	1	1	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	4	4	4	--	--	--	--	--	--
Poliomyelitis	2	--	--	1	1	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	96	--	1	1	--	16	51	27	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	7	6	7	--	--	--	--	--	--
Other communicable diseases	12	--	3	--	--	2	2	5	--
Acute respiratory diseases	278	36	55	4	7	16	51	145	--
Influenza	34	1	4	1	1	2	6	20	--
Pneumonia	244	35	51	3	6	14	45	125	--
Tuberculosis - all forms	206	--	1	1	9	53	85	57	--
Pulmonary tuberculosis	189	--	1	1	9	50	76	52	--
Accidents - all forms	468	15	32	23	62	66	92	193	--
Motor vehicle	129	1	3	8	33	27	29	29	--
Home	161	12	14	5	3	10	20	109	--
Occupational	39	xxx	xxx	1	6	9	15	8	--
Public	139	2	15	9	20	20	28	47	--
Cancer	957	1	3	6	6	62	345	535	--
Cerebral hemorrhage	683	--	3	--	3	12	152	513	--
Diabetes	206	1	1	2	2	8	57	136	--
Diseases of digestive system	325	13	21	4	7	51	109	133	--
Cirrhosis of the liver	63	--	--	--	--	14	26	23	--
Diarrhea and enteritis	20	9	13	--	1	2	1	3	--
Goiter	15	--	--	--	--	1	5	9	--
Heart disease	2,649	1	2	2	4	62	627	1,952	--
Coronary	841	--	--	--	1	22	305	513	--
Chronic rheumatic	132	--	--	2	3	10	38	79	--
Homicide	5	--	--	--	--	3	2	--	--
Nephritis	373	--	--	2	4	22	84	261	--
Prostatic disease	57	--	--	--	--	--	6	51	--
Rheumatic fever	3	--	--	--	--	1	1	1	--
Suicide	79	xxx	xxx	--	4	22	32	21	--
ALL OTHER CAUSES	503	15	39	10	13	74	103	264	--
CAUSE AS YET UNASSIGNED	47	2	4	1	6	9	12	15	--

Northern Area (Region 2)--1940 population: Total 782,703; Urban 450,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, DeKalb, Grundy, Henry, Jo Daviess, Kanebaw, Kendall, LaSalle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.

TABLE V DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA,
FIRST NINE MONTHS, 1947
(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	1,877	114	126	11	33	140	492	1,075	--
SELECTED CAUSES OF DEATH	1,698	104	114	11	27	127	455	964	--
Diseases of infancy	92	89	90	1	--	--	--	--	--
Maternal causes	8	xxx	xxx	--	3	5	1	xxx	--
Communicable diseases, total	24	1	3	--	--	1	13	7	--
Diphtheria	--	--	--	--	--	--	--	--	--
Dysentery - all forms	--	--	--	--	--	--	--	--	--
Encephalitis	1	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	1	--	--
Meningitis	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	--	--	--	--	--	--	--	--	--
Typhoid & paratyphoid fever	20	--	--	--	--	1	12	7	--
Whooping cough	--	--	--	--	--	--	--	--	--
Other communicable diseases	2	1	2	--	--	--	--	--	--
Acute respiratory diseases	1	--	1	--	--	--	--	--	--
Influenza	67	8	9	1	2	3	18	34	--
Pneumonia	6	1	1	--	1	1	--	3	--
Tuberculosis - all forms	61	7	8	1	1	2	18	31	--
Pulmonary tuberculosis	40	--	--	--	2	11	13	14	--
	38	--	--	--	2	10	13	13	--
Accidents - all forms	139	4	7	6	13	24	28	61	--
Motor vehicle	46	--	2	3	10	12	12	7	--
Home	59	3	4	--	2	4	7	42	--
Occupational	12	xxx	xxx	--	1	5	1	5	--
Public	22	1	1	3	--	3	8	7	--
Cancer	245	--	1	1	1	22	96	124	--
Cerebral hemorrhage	153	--	--	--	--	4	29	120	--
Diabetes	50	--	--	--	1	5	19	25	--
Diseases of digestive system	68	2	4	1	--	8	16	39	--
Cirrhosis of the liver	17	--	--	--	--	2	6	9	--
Diarrhea and enteritis	4	1	2	--	--	1	--	1	--
Goiter	5	--	--	--	--	1	2	2	--
Heart disease	617	--	--	1	2	26	182	406	--
Coronary	180	--	--	--	--	7	71	102	--
Chronic rheumatic	54	--	--	1	2	8	22	21	--
Homicide	8	--	--	--	1	5	2	--	--
Nephritis	147	--	--	--	1	8	28	110	--
Prostatic disease	19	--	--	--	--	--	2	17	--
Rheumatic fever	--	--	--	--	--	--	--	--	--
Suicide	16	xxx	xxx	--	1	4	6	5	--
ALL OTHER CAUSES CAUSE AS YET UNASSIGNED	175 4	10 --	12 --	--	5 1	12 1	35 2	111 --	-- --

Peoria Metropolitan Area (Region 3)--1940 population: Total 211,756; Urban 159,211; Rural 72,525.
Counties: Peoria and Tatevill.
(See method for map of State by Regions.)

TABLE VI DEATHS AMONG RESIDENTS OF THE CENTRAL AREA,
FIRST NINE MONTHS, 1947

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	11,165	703	808	105	197	615	2,501	6,935	4
SELECTED CAUSES OF DEATH	10,295	661	746	87	175	547	2,319	6,420	1
Diseases of infancy	549	526	537	3	1	5	1	2	--
Maternal causes	21	xxx	xxx	--	6	15	--	xxx	--
Communicable diseases, total	139	6	12	1	5	16	60	45	--
Diphtheria	--	--	--	--	--	--	--	--	--
Dysentery - all forms	5	1	3	--	--	--	1	1	--
Encephalitis	3	--	--	--	--	--	--	3	--
Measles	1	--	--	--	1	--	--	--	--
Meningitis	1	--	--	--	--	1	--	--	--
Poliomyelitis	3	--	1	1	--	1	--	--	--
Scarlet fever	1	--	--	--	--	1	--	--	--
Syphilis	103	--	--	--	2	9	57	35	--
Typhoid & paratyphoid fever	6	--	--	--	1	1	1	3	--
Whooping cough	8	5	8	--	--	--	--	--	--
Other communicable diseases	8	--	--	--	1	3	1	3	--
Acute respiratory diseases	358	68	90	8	2	22	52	184	--
Influenza	55	4	8	1	--	2	5	39	--
Pneumonia	303	64	82	7	2	20	47	145	--
Tuberculosis - all forms	166	--	1	2	10	43	65	45	--
Pulmonary tuberculosis	154	--	--	2	9	40	62	41	--
Accidents - all forms	764	22	48	47	102	123	115	329	--
Motor vehicle	245	1	10	23	71	54	48	39	--
Home	293	19	34	7	1	13	22	216	--
Occupational	72	xxx	xxx	--	9	30	16	17	--
Public	154	2	4	17	21	26	29	57	--
Cancer	1,492	--	4	4	4	98	510	872	--
Cerebral hemorrhage	1,183	1	5	5	1	16	240	916	--
Diabetes	300	--	--	--	4	17	85	194	--
Diseases of digestive system	445	32	39	8	10	41	150	197	--
Cirrhosis of the liver	94	--	--	1	--	9	38	46	--
Diarrhea and enteritis	41	26	31	1	2	--	1	6	--
Goiter	22	--	--	--	1	1	9	11	--
Heart disease	3,861	5	8	3	9	91	836	2,914	--
Coronary	1,246	1	1	--	1	36	411	797	--
Chronic rheumatic	204	--	--	1	4	15	49	135	--
Homicide	20	1	2	--	4	9	5	--	--
Nephritis	754	--	--	3	4	25	128	593	1
Prostatic disease	88	--	--	--	--	--	4	84	--
Rheumatic fever	7	--	--	3	1	3	--	--	--
Suicide	126	xxx	xxx	--	11	22	59	34	--
ALL OTHER CAUSES	802	39	57	16	19	52	168	489	1
CAUSE AS YET UNASSIGNED	68	3	5	2	3	16	14	26	2

Central Area (Region 4)--1940 population. Total 1,531,175; Urban 551,587; Rural 779,588. Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Coles, Cumberland, De Witt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McHenry, McLean, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.

TABLE VII DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA,
FIRST NINE MONTHS, 1947
(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	2,733	205	223	19	63	206	764	1,457	1
SELECTED CAUSES OF DEATH	2,473	190	203	17	50	180	700	1,322	1
Diseases of infancy	152	147	149	--	--	3	--	--	--
Maternal causes	9	xxx	xxx	--	5	4	--	xxx	--
Communicable diseases, total	39	2	3	1	--	9	19	7	--
Diphtheria	1	--	1	--	--	--	--	--	--
Dysentery - all forms	--	--	--	--	--	--	--	--	--
Encephalitis	1	--	--	--	--	--	1	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	33	1	1	--	--	8	17	7	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	2	1	1	1	--	--	--	--	--
Other communicable diseases	2	--	--	--	--	1	1	--	--
Acute respiratory diseases	88	15	16	--	--	7	27	38	--
Influenza	19	2	2	--	--	1	5	11	--
Pneumonia	69	13	14	--	--	6	22	27	--
Tuberculosis - all forms	67	--	1	--	4	22	30	10	--
Pulmonary tuberculosis	65	--	1	--	4	22	30	8	--
Accidents - all forms	186	10	12	11	28	23	37	75	--
Motor vehicle	45	--	--	--	16	12	13	4	--
Home	77	9	11	1	1	5	7	52	--
Occupational	14	xxx	xxx	--	1	2	7	4	--
Public	50	1	1	10	10	4	10	15	--
Cancer	316	--	2	2	--	27	124	161	--
Cerebral hemorrhage	282	--	1	--	1	6	72	201	1
Diabetes	74	--	--	--	2	3	27	42	--
Diseases of digestive system	124	16	19	--	3	9	43	50	--
Cirrhosis of the liver	28	--	--	--	--	2	16	10	--
Diarrhea and enteritis	18	14	16	--	--	--	1	1	--
Goiter	7	--	--	--	--	--	5	2	--
Heart disease	915	--	--	1	2	37	260	615	--
Coronary	225	--	--	--	--	10	102	113	--
Chronic rheumatic	36	--	--	1	--	9	12	14	--
Homicide	18	--	--	1	4	10	2	1	--
Nephritis	147	--	--	1	1	9	36	100	--
Prostatic disease	14	--	--	--	--	--	2	12	--
Rheumatic fever	1	--	--	--	--	--	1	--	--
Suicide	34	xxx	xxx	--	--	11	15	8	--
ALL OTHER CAUSES	211	13	16	2	6	15	51	121	--
CAUSE AS YET UNASSIGNED	49	2	4	--	7	11	13	14	--

East St. Louis Metropolitan Area (Region 5)--1940 population: Total 316,248; Urban 213,175; Rural 103,073
Counties: Madison and St. Clair.
(See maphead for map of State by Regions.)

TABLE VIII DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA,
FIRST NINE MONTHS, 1947

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	5,620	375	428	59	122	402	1,310	3,295	4
SELECTED CAUSES OF DEATH	5,091	347	393	48	108	361	1,223	2,956	2
Diseases of infancy	259	252	256	1	1	1	--	--	--
Maternal causes	21	xxx	xxx	--	6	14	1	xxx	--
Communicable diseases, total	68	10	16	3	3	14	24	8	--
Diphtheria	2	--	2	--	--	--	--	--	--
Dysentery - all forms	3	2	3	--	--	--	--	--	--
Encephalitis	3	--	1	--	1	1	--	--	--
Measles	1	--	--	1	--	--	--	--	--
Meningitis	1	--	--	1	--	--	--	--	--
Poliomyelitis	1	1	1	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	44	1	1	--	--	12	24	7	--
Typhoid & paratyphoid fever	1	--	--	--	1	--	--	--	--
Whooping cough	6	5	6	--	--	--	--	--	--
Other communicable diseases	6	1	2	1	1	1	--	1	--
Acute respiratory diseases	197	38	41	3	3	15	24	111	--
Influenza	51	4	5	--	--	3	4	39	--
Pneumonia	146	34	36	3	3	12	20	72	--
Tuberculosis - all forms	153	3	4	--	10	41	52	46	--
Pulmonary tuberculosis	146	1	1	--	10	40	50	45	--
Accidents - all forms	526	8	27	30	62	104	158	145	--
Motor vehicle	112	3	7	7	31	24	23	20	--
Home	127	5	16	7	3	5	15	81	--
Occupational	199	xxx	xxx	--	12	58	110	19	--
Public	88	--	4	16	16	17	10	25	--
Cancer	651	--	2	1	4	46	227	371	--
Cerebral hemorrhage	550	1	2	--	1	14	108	425	--
Diabetes	145	--	--	--	2	6	43	94	--
Diseases of digestive system	218	32	40	4	4	20	69	81	--
Cirrhosis of the liver	46	--	--	--	--	6	18	22	--
Diarrhea and enteritis	29	21	25	--	--	1	--	3	--
Goiter	8	--	--	--	1	1	2	4	--
Heart disease	1,850	1	1	2	3	52	419	1,371	2
Coronary	482	1	1	--	1	19	162	299	--
Chronic rheumatic	102	--	--	1	2	9	22	68	--
Homicide	11	1	1	--	2	5	3	--	--
Nephritis	331	1	2	1	2	12	70	244	--
Prostatic disease	40	--	--	--	--	1	3	36	--
Rheumatic fever	3	--	1	1	--	1	--	--	--
Suicide	60	xxx	xxx	2	4	14	20	20	--
ALL OTHER CAUSES	501	25	32	11	14	35	82	325	2
CAUSE AS YET UNASSIGNED	28	3	3	--	--	6	5	14	--

Southern Area (Region 6)--1940 population: Total 723,047; Urban 228,881; Rural 494,166.

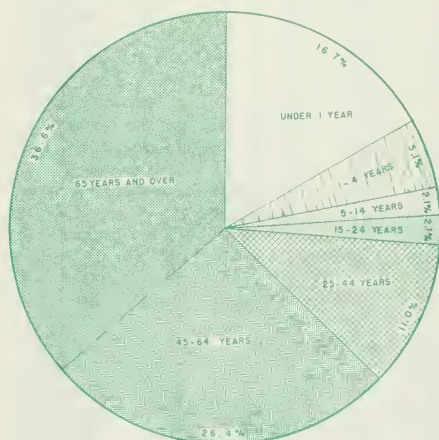
Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.

INFLUENZA AND PNEUMONIA

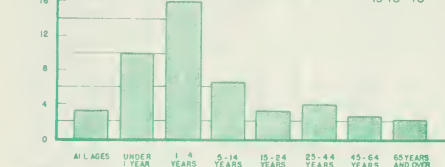
One need only glance at the graph of pneumonia and influenza cases and deaths on this page to realize the extent of the achievements made in the prevention of deaths from these causes. The explosive pandemic of 1918-1919 took an estimated 55,000 lives in Illinois. During the period of 1921-1929, pneumonia and influenza caused an average of 125.9 deaths per 100,000 population. This was reduced to an average of 45.7 deaths per 100,000 population during the period from 1940-1946.

The impact of pneumonia is illustrated by the

DISTRIBUTION OF PNEUMONIA DEATHS BY AGE
OVER THE TWO YEAR PERIOD 1945-1946

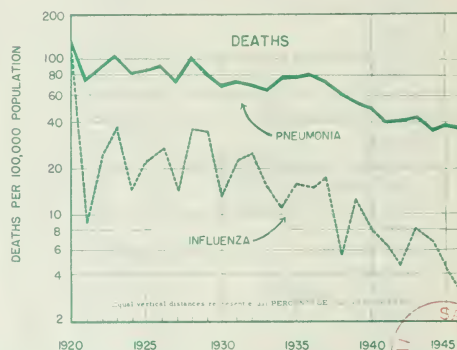
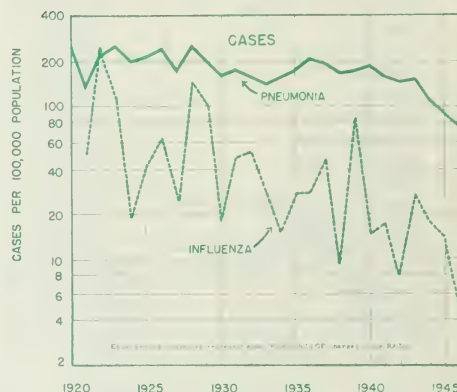


PNEUMONIA'S SHARE IN TOTAL MORTALITY
AT VARIOUS AGES OVER THE TWO YEAR PERIOD,
1945-46



charts on this page. Less than seven per cent of deaths at age five or older are caused by pneumonia. However, the disease accounts for about sixteen per cent of the deaths among one-to-four year old children and ten per cent of baby deaths. Of course, most pneumonia deaths occur at the older ages. Of the 5,707 deaths from pneumonia occurring in 1945 and 1946, 26.4 per cent were among persons between forty-five and sixty-four years of age while 36.6 per cent were among persons over sixty-four years of age. Thus the major problem in pneumonia control is concentrated in the very young and the aged.

PNEUMONIA AND INFLUENZA IN ILLINOIS, 1920-1946



HEALTH STATISTICS BULLETIN

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
SPRINGFIELD, ILLINOIS
Return postage guaranteed

PERIODICAL LIBRARIAN
PERIODICAL DIVISION
UNIV OF ILL LIBRARY
URBANA ILLINOIS

HEALTH STATISTICS BULLETIN

State of Illinois
Dwight H. Green
Governor



Department of Public Health
Roland R. Cross, M. D.
Director

Division of Vital Statistics & Records--- O. K. Sagen, Ph.D., Chief

1947 Series, No. 4

Springfield, Illinois

June 23, 1948

THE HEALTH RECORD FOR 1947

ANNUAL BIRTH RATE HIGHEST EVER

In 1947 there were 23.4 live births for every 1,000 persons. This is the highest rate attained in Illinois for any single year and is two per thousand above the previous high mark established in 1946. Despite this, October, 1946 still holds the record for a single month when a rate of 26.7 was established. The great birth boom has been slowly falling off from that record month and all indications show that a gradual lowering of the birth rate will continue throughout 1948.

As usual, more boys than girls were born, male births being 51.4 per cent of the total. The racial distribution of births was 92.2 per cent white, 7.6 per cent negro, and 0.2 per cent other races. About 94 per cent of all the babies were born in hospitals. Only 3 out of every thousand babies were attended at birth by a midwife or other non-medical practitioner.

POPULATION GROWS AS DEATH RATE REMAINS STEADY

Although there were almost four thousand more deaths in 1947 than in 1946, the general death rate remained practically unchanged in rising from 11.0 to 11.2 per thousand inhabitants. The death rate remained so steady because the state's population at midyear 1947 was estimated to be 192 thousand greater than at midyear 1946. While a considerable part of this apparent increase represents the return of people from the armed services, the greatest part is due to the great rate at which births out-strip deaths. During the calendar year

1947 births exceeded deaths by almost 100,000, another new record. The course of population growth and how it has been affected by births and deaths is demonstrated by the chart on the back page of this bulletin.

Mortality among whites accounted for 92

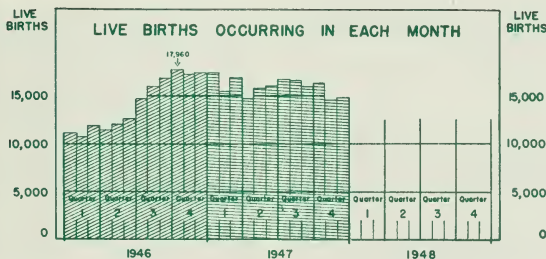


TABLE OF CONTENTS

PROVISIONAL VITAL STATISTICS FOR 1947

Table I	Livebirths, Stillbirths, and Deaths from All Causes by Place of Occurrence, 1947.....	5
Table II	Deaths in Illinois, 1947.....	6
Table III	Deaths among Residents of the Chicago Metropolitan Area, 1947.....	7
Table IV	Deaths among Residents of the Northern Area, 1947.....	8
Table V	Deaths among Residents of the Peoria Metropolitan Area, 1947.....	9
Table VI	Deaths among Residents of the Central Area, 1947.....	10
Table VII	Deaths among Residents of the East St. Louis Metropolitan Area, 1947.....	11
Table VIII	Deaths among Residents of the Southern Area, 1947.....	12

HEALTH TRENDS IN ILLINOIS, 1921-1947

Selected Causes of Death and the Communicable Diseases of Major Importance in Public Health

Table IX	Number of Deaths and Reported Cases.....	14-15
Table X	Mortality and Morbidity Rates.....	18-19

percent of all deaths. Preponderantly more deaths occurred among males than females as 57.2 per cent of all deaths were male.

TABLE A - BIRTH AND DEATH RATES

	1947	1946
LIVE BIRTHS per 1,000 population	23.4	21.3
DEATHS per 1,000 population	11.2	11.0

Note: Rates are based on estimates of Illinois' population as follows: July 1, 1947—8,221,000; July 1, 1946—8,028,453.

MATERNAL AND INFANT MORTALITY AT NEW LOW

In 1947 there were only ten deaths from maternal causes for every ten thousand new babies. This represents significant progress over 1946 with its thirteen per ten thousand and almost a miracle of improvement over the seventy maternal deaths for every ten thousand births in 1921. Recent progress has been based on the decrease in deaths from both puerperal septicemia and toxemia.

Both fetal and infant mortality declined to new low levels in 1947. The gains made in the saving of infant lives, however, were confined to the causes of death that account for the minor portion of infant mortality. The death rate from premature birth, the major cause of infant death, while a little lower in 1947 than in 1946, was still above the 1944 low of 9.4 per thousand live births. Mortality from diarrhea and enteritis dropped to 2.7 per hundred thousand population in 1947, thus continuing its decline of recent years.

TABLE B - FETAL, INFANT, AND MATERNAL
MORTALITY RATES

	Per 1,000 live births	
	1947	1946
FETAL MORTALITY (Stillbirths)	18.9	21.3
NEONATAL MORTALITY (under 1 month)	21.7	22.9
INFANT MORTALITY (under 1 year)	28.8	30.2
Premature birth	10.2	11.4
MATERNAL MORTALITY	1.0	1.3

INFLUENZA AND PNEUMONIA UP TUBERCULOSIS DOWN

Although influenza and pneumonia mortality was high during the outbreak in the spring of 1947, the mortality experience for the remainder of the year was very favorable. For 1947 as a whole, the combined rate for the two diseases was 39.9 deaths per hundred thousand inhabitants as compared to 37.8 in 1946. Provisional national statistics on influenza and pneumonia show that Illinois was more fortunate than the U. S. as a whole. The national combined rate was 44.4 deaths per hundred thousand population in 1947 and 46.6 in 1946.

Tuberculosis mortality reached another new all time low in its steady decline. The 33.7 tuberculosis deaths per hundred thousand inhabitants in 1947, as compared with 81.5 in 1921, is testimony to the unremitting effort at controlling tuberculosis.

Pulmonary tuberculosis was responsible for 92 per cent of the 2,770 deaths from all forms of tuberculosis recorded in 1947. There were twice as many deaths from tuberculosis among males as among females in 1947.

REDUCTION IN MORTALITY FROM COMMUNICABLE DISEASE

The downward trend of mortality from communicable diseases in general, maintained over so many years, was continued in 1947. Mortality from some of the diseases that took a heavy toll of lives in the past has now become almost negligible in a numerical sense. For the ninth successive year in Illinois there was no death from smallpox. There was only one death from scarlet fever in 1947 as compared to ten in 1946 and twenty-seven in 1945. There were only seven deaths from tetanus in 1947 as compared to twenty-eight in 1940 and fifty-six in 1931.

We are not, however, making full use of the knowledge gained in the prevention of deaths from communicable disease. There were forty-one deaths from whooping cough in 1947 as compared to thirty in 1946. Forty of these forty-one deaths occurred among children under five years of age, a sad commentary on the failure to immunize all babies against this disease.

Mortality from poliomyelitis in 1947 was 0.3 per hundred thousand population, a normal rate for a non-epidemic year. There were only 26 deaths from polio in 1947 as compared to 171 deaths recorded during the severe outbreak of this disease in 1946.

The total diphtheria death rate of 0.1 per hundred thousand population in 1947 is apparently favorable. Even more so is the fact that only seven deaths in 1947, as compared to fifteen in 1946, were caused by diphtheria among children under 15 years of age. But disturbingly many deaths from diphtheria occur among adults. In 1946 diphtheria caused sixteen adult deaths and in 1947 took five adult lives; a very high proportion of total diphtheria mortality that has not been matched in previous experience.

Undulant fever mortality was sharply higher in 1947. There were five deaths in 1947 as compared to one death in 1946 and three in 1945.

TABLE C - MORTALITY FROM THE TEN
LEADING CAUSES

Cause	Deaths per 100 thousand inhabitants	
	1947	1946
1. HEART DISEASE	416.3	391.4
2. CANCER	163.5	160.8
3. CEREBRAL HEMORRHAGE*	90.2	87.9
4. ALL ACCIDENTS	70.3	69.0
5. NEPHRITIS	63.7	69.7
6. INFLUENZA AND PNEUMONIA	39.9	37.8
7. TUBERCULOSIS	33.7	36.8
8. DIABETES	33.3	31.7
9. PREMATURE BIRTH	23.8	24.3
10. ARTERIOSCLEROSIS	17.4	19.0

*Intracranial lesions of vascular origin

HEART DISEASE AND CANCER DEATHS CONTINUE TO RISE

The diseases characteristic of the older ages continue to take a heavier toll of lives as more and more of our population attains the older ages. Mortality from heart disease rose to a new all time high of 416 deaths per hundred thousand population in 1947. This represents an increase of 6.4 per cent over the rate of 391 in 1946. Comparison with the 1946 rate, however, tends to exaggerate the picture somewhat due to the especially favorable mortality experience in Illinois during 1946. The 391 deaths per hundred thousand population in 1946 was decidedly lower than the rate of 413 in 1945 and 402 per hundred thousand population in 1944. The mortality experience from heart disease in Illinois parallels that of the nation. Provisional rates obtained from a ten per cent sample of death certificates in the United States show that for the nation as a whole there were 322 deaths from heart disease per hundred thousand population in 1947 as compared to 312 in 1946 and 322 in 1945. Most of the increase in heart disease mortality in Illinois was due to the greater number of deaths from diseases of the coronary arteries and angina pectoris, and to the chronic heart conditions other than chronic rheumatic heart disease.

Although cancer mortality was higher in 1947 than in 1946, it was below the rate of 166.6 per hundred thousand population for 1945. Cancer of the digestive organs accounted for 46 per cent of all cancer deaths in 1947, while cancer of the female genital organs accounted for 12 per cent, and cancer of the breast was responsible for 9 per cent of all cancer deaths.

Diabetes mortality at 33.3 deaths per hundred thousand population was also higher in 1947 than in 1946 but below the 1945 high. Although the number of deaths from diabetes has been increasing since 1940, the death rate has remained between a low of 29 deaths per hundred thousand population in 1941 and a high of 35 per hundred thousand population in 1945.

Mortality from nephritis dropped to a new all time low of 63.7 deaths per hundred thousand population in 1947, which is almost one-half of the high of 126.4 recorded in 1928. Nephritis is one of the few chronic diseases characteristic of the older ages for which mortality has been decreasing in recent years.

ACCIDENT MORTALITY LEVELING OFF HOMICIDE DOWN

The death toll from motor vehicle accidents, while somewhat higher in 1947 than in 1946, is still well below that of each year since 1930 except for the period of war-reduced travel from 1942 to 1945. The rate of 23.1 motor vehicle deaths per hundred thousand inhabitants for 1947 is still well below the 32.3 for 1941 and the 33.4 high in 1937. The real question in the light of increasing motor vehicle mortality is: are we returning to a new round of excessively high death rates from motor vehicle accidents?

TABLE D - ACCIDENTAL DEATHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1947	1946	1947	1946
ALL ACCIDENTS	5,783	5,537	70.3	69.0
Motor vehicle	1,900	1,825	23.1	22.7
Home accidents	1,855	1,779	22.5	22.2
Occupational	662	544	8.1	6.8
Public accidents	1,366	1,389	16.6	17.3

Since suicide and homicide mortality are reflections of social conditions, it is interesting to note the change in the mortality trend from these causes which occurred in 1947. Deaths from suicide and homicide took a decided drop during the war and then rose in 1945 and 1946 as the war drew to a close. However, in 1947 the death rate for suicide was essentially the same as in 1946 and the rate for homicide was somewhat lower with 5.1 per hundred thousand population as compared to 5.9 in 1946.

UNUSUAL CAUSES OF DEATH

Among the more unusual causes of death, we find two deaths from leprosy that occurred in Chicago during the year. Since 1921, the first year for which accurate vital records for the state are available, there have been six deaths from leprosy recorded in Illinois. In addition to the two deaths in 1947, one death was reported in each of the years, 1945, 1928, 1924, and 1922, all having occurred in Chicago.

One death from beriberi was reported in

TABLE E-AGE DISTRIBUTION OF LEADING CAUSES OF DEATH: ILLINOIS, 1947

CAUSE	PERCENT OF TOTAL DEATHS FROM THE DISEASE						
	All Ages	Under 1 yr.	1-14 years	15-24 years	25-44 years	45-64 years	65 & over
1. Heart Disease	100.0	0.0	0.2	0.3	4.4	32.2	62.9
2. Cancer	100.0	0.0	0.6	0.6	7.6	42.9	48.3
3. All Accidents	100.0	2.5	8.5	10.9	18.4	25.2	34.5
4. Cerebral Hemorrhage*	100.0	0.1	0.4	0.2	3.0	27.4	68.9
5. Nephritis	100.0	0.1	0.6	1.0	6.7	26.2	65.4
6. Pneumonia	100.0	17.0	5.3	1.0	8.7	27.1	40.9
7. Tuberculosis	100.0	0.4	2.0	10.0	32.3	38.9	16.4
8. Diabetes	100.0	0.0	0.5	0.9	3.8	36.6	58.2

*Intracranial lesions of vascular origin

1947, the first since 1943. There is reason to believe that the figure would have been higher if the "beriberi heart" were better recognized.

AGE DETERMINES THE LEADING CAUSES

For children and young people aged 1-24 years, the most frequent cause of death is the fatal accident. For people over 25, the most frequent cause of death is heart disease. These are the principal conclusions to be drawn from Tables E and F which show how age is related to the principal causes of death. Heart disease and cancer are too often considered to be only a problem of old age just because over 90 per cent of the people who die from these diseases are over 45 years of age. Actually, 20 per cent of all deaths among persons aged 25 to 44 is due to heart disease even though less than 5 per cent of all heart deaths occur in these ages. For cancer we find that only 1 per cent of all cancer deaths is among children aged 1 to 14 years but nevertheless, cancer accounts for 5 per cent of all deaths at this period of childhood.

Over 70 per cent of those who die from tuberculosis are between 25 and 65 years of age. However, among the young adults in the ages 15 to 25, tuberculosis accounts for 16 per cent of all deaths and is second only to accidents as the most frequent killer. For those between 25 and 45, tuberculosis ranks fourth with 12 per cent of the deaths at these ages. It is therefore readily apparent that full control of tuberculosis could prevent one out of every eight deaths in the productive years of life between 15 and 45.

A concentration of tuberculosis control efforts on people under 45 appears justifiable on the basis of this mortality picture. Even though 39 per cent of all who die from tuberculosis are between 45 and 65, the disease lacks the same primary importance at these older ages. Only 4 per cent of all deaths at age 45 to 65 is due to tuberculosis and the disease ranks only sixth in numerical importance for that age.

In considering the general problem of mortality, it is particularly important to note the special problems at the different stages of life. In infancy, mortality is closely confined to a related group of causes, "the diseases peculiar to the first year of life" and pneumonia. At older ages, the causes of mortality are spread over a wide range wherein no cause by itself, apart from the first four or five, accounts for as much as four per cent of the total mortality in the age group. The other salient feature of the mortality situation is that the degenerative diseases assume great importance even as immediate causes of death among young adults.

Conclusions based on a consideration of the causes of death as related to age are confirmed by the general mortality trends over the last three decades. The trends shown in the last part of this bulletin (p. 13 and ff) sustain the conclusion that ever-increasing emphasis must be brought to bear on the degenerative diseases. While we can never afford to relax efforts at obtaining and maintaining control over the communicable diseases, we can no longer put exclusive emphasis on them. Any large

scale reduction or postponement of mortality will have to come as the result of new success against fatal accidents and the degenerative diseases.

TABLE F - FIVE PRINCIPAL CAUSES OF DEATH
AT EACH STAGE OF LIFE: ILLINOIS, 1947

AGE	CAUSE	PER CENT
ALL AGES		
	Heart Disease	31.7
	Cancer	14.6
	Cerebral Hemorrhage*	8.0
	All Accidents	6.3
	Nephritis	5.7
	All other causes	33.7
		100.0
UNDER 1 YEAR		
	Premature Birth	35.4
	Congenital Malformations	18.0
	Birth Injury	13.5
	Pneumonia	9.3
	Other Diseases of Infancy	9.3
	All other causes	14.5
		100.0
1-14 YEARS		
	All Accidents	31.4
	Pneumonia	10.2
	Congenital Malformations	7.4
	Cancer	5.5
	Tuberculosis	3.6
	All other causes	32.9
		100.0
15-24 YEARS		
	All Accidents	36.5
	Tuberculosis	16.1
	Heart Disease	6.3
	Homicide	4.4
	Cancer	4.4
	All other causes	32.3
		100.0
25-44 YEARS		
	Heart Disease	20.3
	All Accidents	14.3
	Cancer	13.7
	Tuberculosis	12.0
	Nephritis	4.7
	All other causes	35.0
		100.0
45-64 YEARS		
	Heart Disease	38.2
	Cancer	20.0
	Cerebral Hemorrhage*	7.0
	All Accidents	5.1
	Nephritis	4.8
	All other causes	24.9
		100.0
65 YEARS & OVER		
	Heart Disease	45.6
	Cancer	13.7
	Cerebral Hemorrhage*	10.8
	Nephritis	7.3
	All Accidents	4.2
	All other causes	18.4
		100.0

*Intracranial lesions of vascular origin

TABLE I LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE, 1947

County	*Estimated Population	Live Births	Still-births	Deaths	County	*Estimated Population	Live Births	Still-births	Deaths
Entire State	8,221,000	192,248	3,627	92,362	LaSalle	101,005	2,534	46	1,140
Chicago	3,583,088	82,694	1,648	39,157	Lawrence	21,262	175	1	175
Downstate	4,637,912	109,554	1,979	53,205	Lee	35,251	752	11	481
Adams	67,157	1,727	32	931	Livingston	39,212	755	16	438
Alexander	26,326	854	30	359	Logan	30,021	652	15	469
Bond	14,573	35	--	93	McDonough	27,315	694	21	369
Boone	15,435	437	10	232	McHenry	37,990	788	3	435
Brown	7,973	35	--	75	McLean	75,831	2,097	24	870
Bureau	38,159	923	17	441	Macon	88,061	2,784	46	1,030
Calhoun	8,022	87	3	53	Macoupin	47,379	344	8	353
Carroll	18,176	362	5	181	Madison	155,870	4,252	86	1,836
Cass	16,710	379	7	157	Marion	49,280	1,228	36	456
Champaign	72,605	2,485	37	785	Marshall	13,263	23	--	99
Christian	39,352	926	15	351	Mason	15,525	52	1	107
Clark	18,789	93	1	144	Massac	15,163	269	6	192
Clay	18,985	151	2	107	Menard	10,703	38	--	68
Clinton	23,213	391	11	193	Mercer	17,755	19	1	90
Coles	39,520	1,150	35	441	Monroe	12,745	14	--	83
Cook	4,283,924	100,549	1,924	47,894	Montgomery	35,075	979	20	502
Crawford	21,513	480	9	223	Morgan	37,273	845	24	822
Cumberland	11,522	66	1	81	Moultrie	13,490	45	--	75
DeKalb	35,078	1,075	19	449	Ogle	30,133	355	7	269
Dewitt	18,498	248	3	177	Peoria	160,429	5,210	92	2,169
Douglas	17,770	430	3	178	Perry	23,924	643	11	279
DuPage	108,324	1,911	34	1,005	Piatt	14,737	182	2	113
Edgar	24,692	496	9	277	Pike	25,311	391	4	241
Edwards	9,003	72	4	67	Pope	7,813	69	4	69
Effingham	22,180	946	12	289	Pulaski	16,059	163	11	123
Fayette	29,070	589	12	285	Putnam	5,321	4	--	32
Ford	15,089	261	1	144	Randolph	34,356	697	11	347
Franklin	54,900	495	8	428	Richland	17,273	659	14	270
Fulton	45,401	933	18	443	Rock Island	118,692	3,316	48	1,545
Gallatin	11,395	152	4	84	St. Clair	175,151	4,428	98	1,962
Greene	20,431	548	11	183	Saline	39,076	1,032	16	424
Grundy	18,720	397	3	171	Sangamon	122,521	3,435	65	1,611
Hamilton	13,149	247	3	126	Schuyler	11,330	128	1	113
Hancock	26,533	223	3	232	Scott	8,165	24	--	53
Hardin	7,698	161	10	71	Shelby	26,141	420	6	208
Henderson	8,953	22	--	35	Stark	8,863	9	1	50
Henry	44,747	1,110	23	489	Stephenson	41,643	1,320	23	528
Iroquois	32,450	592	11	284	Tazewell	60,324	1,016	29	434
Jackson	38,753	1,133	28	392	Union	21,582	480	8	478
Jasper	13,138	58	1	94	Vermilion	89,821	2,205	22	1,188
Jefferson	34,783	1,084	21	338	Wabash	13,960	185	2	107
Jersey	13,725	124	1	99	Warren	21,533	648	6	261
Jo Daviess	20,116	100	1	163	Washington	15,711	52	2	220
Johnson	10,513	137	3	112	Wayne	21,724	261	5	161
Kane	136,076	4,896	91	2,162	White	20,081	239	1	183
Kankakee	62,919	1,596	35	1,476	Whiteside	44,385	1,100	26	481
Kendall	11,097	3	--	59	Will	118,876	2,913	50	1,276
Knox	53,842	1,362	21	597	Williamson	53,044	1,247	32	591
Lake	126,774	3,742	65	1,334	Winnebago	126,755	3,768	67	1,359
					Woodford	19,178	37	1	143

* Estimated population as of July 1, 1947.

TABLE II DEATHS IN ILLINOIS, 1947

(All occurrences within the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	92,362	5,541	6,363	740	1,722	7,465	28,826	47,239	7
SELECTED CAUSES OF DEATH	86,555	5,249	5,915	622	1,536	6,780	27,348	44,349	5
Diseases of infancy	4,423	4,217	4,306	27	26	32	28	4	--
Maternal causes	200	xxx	xxx	--	54	143	3	--	--
Communicable diseases, total	956	66	114	30	29	130	446	206	1
Diphtheria	12	--	4	3	3	1	1	--	--
Dysentery - all forms	22	6	13	--	--	1	5	3	--
Encephalitis	24	--	1	2	4	6	8	3	--
Measles	9	2	5	2	1	--	--	1	--
Meningitis	45	13	22	5	--	4	11	3	--
Poliomyelitis	26	2	7	10	6	3	--	--	--
Scarlet fever	1	--	--	--	--	1	--	--	--
Syphilis	676	8	9	1	9	90	398	168	1
Typhoid & paratyphoid fever	10	--	--	1	3	1	1	4	--
Whooping cough	41	31	40	1	--	--	--	--	--
Other communicable diseases	90	4	13	5	3	23	22	24	--
Acute respiratory diseases	3,279	534	668	45	36	279	860	1,391	--
Influenza	244	19	31	7	5	15	37	149	--
Pneumonia	3,035	515	637	38	31	264	823	1,242	--
Tuberculosis - all forms	2,770	12	42	26	277	893	1,078	454	--
Pulmonary tuberculosis	2,557	4	15	16	245	833	1,023	425	--
Accidents - all forms	5,783	146	348	288	629	1,065	1,459	1,993	1
Motor vehicle	1,900	8	58	121	378	447	526	370	--
Home	1,855	123	235	56	40	140	255	1,129	--
Occupational	662	xxx	xxx	2	56	235	285	84	--
Public	1,366	15	55	109	155	243	393	410	1
Cancer	13,441	6	40	52	75	1,022	5,767	6,485	--
Cerebral hemorrhage	7,419	10	28	11	15	225	2,028	5,112	--
Diabetes	2,735	1	5	10	25	104	1,001	1,590	--
Diseases of digestive system	3,915	230	302	54	72	507	1,610	1,370	--
Cirrhosis of the liver	1,158	6	9	3	--	183	616	347	--
Diarrhea and enteritis	226	151	178	2	4	8	11	23	--
Goiter	177	--	--	--	4	20	82	71	--
Heart disease	34,225	12	28	37	108	1,512	11,019	21,519	2
Coronary	8,412	2	2	--	11	433	3,622	4,344	--
Chronic rheumatic	1,624	--	3	20	52	289	591	669	--
Homicide	419	11	14	4	76	226	87	12	--
Nephritis	5,235	3	18	18	50	351	1,372	3,425	1
Prostatic disease	577	--	--	--	--	2	70	505	--
Rheumatic fever	47	1	2	15	7	16	5	2	--
Suicide	954	xxx	xxx	5	53	253	433	210	--
ALL OTHER CAUSES	5,730	291	444	116	177	657	1,459	2,875	2
CAUSE AS YET UNASSIGNED	77	1	4	2	9	28	19	15	--

ENTIRE STATE--1940 population: Total 7,897,241; Urban 5,809,690; Rural 2,087,551.

For a detailed discussion of the 6 principal geographic Regions of the State see Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1944."

TABLE III DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, 1947

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	52,423	3,045	3,472	389	904	4,751	19,096	23,808	3
SELECTED CAUSES OF DEATH	49,702	2,884	3,228	329	803	4,365	18,251	22,723	3
Diseases of infancy	2,447	2,338	2,380	12	14	16	22	3	--
Maternal causes	100	xxx	xxx	--	23	76	1	--	--
Communicable diseases, total	419	27	46	15	16	55	221	66	--
Diphtheria	5	--	--	--	3	1	1	--	--
Dysentery - all forms	5	2	3	--	--	1	1	--	--
Encephalitis	10	--	--	1	1	4	4	--	--
Measles	4	2	4	--	--	--	--	--	--
Meningitis	37	7	16	4	--	3	11	3	--
Poliomyelitis	15	1	3	6	5	1	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	285	5	5	--	5	32	191	52	--
Typhoid & paratyphoid fever	2	--	--	--	1	--	--	1	--
Whooping cough	9	8	9	--	--	--	--	--	--
Other communicable diseases	47	2	6	4	1	13	13	10	--
Acute respiratory diseases	1,936	308	375	24	18	191	633	695	--
Influenza	53	5	9	5	2	4	14	19	--
Pneumonia	1,883	303	366	19	16	187	619	676	--
Tuberculosis - all forms	1,909	9	33	22	217	659	751	227	--
Pulmonary tuberculosis	1,752	3	11	12	189	613	712	215	--
Accidents - all forms	2,693	67	163	138	213	488	822	868	1
Motor vehicle	882	--	26	63	115	187	300	191	--
Home	849	61	116	29	23	86	151	444	--
Occupational	217	xxx	xxx	1	15	79	100	22	--
Public	745	6	21	45	60	136	271	211	1
Cancer	8,169	3	22	32	52	662	3,816	3,585	--
Cerebral hemorrhage	3,528	6	15	5	8	151	1,207	2,142	--
Diabetes	1,680	--	4	6	9	56	684	921	--
Diseases of digestive system	2,269	113	153	28	42	321	1,057	668	--
Cirrhosis of the liver	813	6	9	1	--	135	470	198	--
Diarrhea and enteritis	97	69	79	1	1	4	6	6	--
Goiter	111	--	--	--	2	14	55	40	--
Heart disease	20,523	3	13	25	76	1,122	7,724	11,561	2
Coronary	4,196	--	--	--	7	288	2,121	1,780	--
Chronic rheumatic	925	--	2	14	37	215	396	261	--
Homicide	312	9	11	3	54	171	63	10	--
Nephritis	2,808	--	12	6	30	247	901	1,612	--
Prostatic disease	288	--	--	--	--	1	48	239	--
Rheumatic fever	28	1	1	11	5	9	2	--	--
Suicide	482	xxx	xxx	2	24	126	244	86	--
ALL OTHER CAUSES	2,688	161	243	59	94	375	838	1,079	--
CAUSE AS YET UNASSIGNED	33	--	1	1	7	11	7	6	--

Chicago Metropolitan Area (Region I)--1940 population: Total 4,532,532; Urban 4,256,601; Rural 275,731.

Counties: Cook, DuPage, Kane, Lake, and Will.

(See maphead for map of State by Regions.)

TABLE IV DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, 1947

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-54 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	9,873	592	710	88	175	667	2,441	5,792	--
SELECTED CAUSES OF DEATH	9,183	571	666	69	157	567	2,294	5,430	--
Diseases of infancy	508	476	494	2	5	4	3	--	--
Maternal causes	21	xxx	xxx	--	4	17	--	--	--
Communicable diseases, total	164	12	17	5	4	23	74	41	--
Diphtheria	2	--	--	2	--	--	--	--	--
Dysentery - all forms	3	--	--	--	--	--	2	1	--
Encephalitis	4	--	--	1	2	1	--	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	5	5	5	--	--	--	--	--	--
Poliomyelitis	3	--	--	1	1	1	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	123	--	1	1	1	18	68	34	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	8	7	8	--	--	--	--	--	--
Other communicable diseases	16	--	3	--	--	3	4	6	--
Acute respiratory diseases	365	41	69	5	8	21	70	192	--
Influenza	36	1	4	1	1	2	7	21	--
Pneumonia	329	40	65	4	7	19	63	171	--
Tuberculosis - all forms	264	--	1	2	16	65	105	75	--
Pulmonary tuberculosis	245	--	1	2	16	62	95	69	--
Accidents - all forms	666	18	45	33	85	98	130	275	--
Motor vehicle	204	2	6	13	48	48	45	44	--
Home	239	13	21	6	5	13	32	162	--
Occupational	58	xxx	xxx	1	9	12	22	14	--
Public	165	3	18	13	23	25	31	55	--
Cancer	1,312	2	4	6	6	90	469	737	--
Cerebral hemorrhage	900	1	4	--	4	19	189	684	--
Diabetes	292	1	1	2	2	12	80	195	--
Diseases of digestive system	424	19	29	10	7	60	146	172	--
Cirrhosis of the liver	80	--	--	1	--	15	31	33	--
Diarrhea and enteritis	23	12	16	--	1	2	1	3	--
Goiter	17	--	--	--	--	1	7	9	--
Heart disease	3,559	1	2	2	7	93	852	2,603	--
Coronary	1,175	--	--	--	2	35	421	717	--
Chronic rheumatic	167	--	--	2	3	17	47	98	--
Homicide	10	--	--	--	--	6	3	1	--
Nephritis	501	--	--	2	5	27	112	355	--
Prostatic disease	70	--	--	--	--	--	7	63	--
Rheumatic fever	4	--	--	--	--	1	2	1	--
Suicide	106	xxx	xxx	--	4	30	45	27	--
ALL OTHER CAUSES	677	21	44	18	17	96	144	358	--
CAUSE AS YET UNASSIGNED	13	--	--	1	1	4	3	4	--

Northern Area (Region 2)--1940 population: Total 782,705; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, DeKalb, Grundy, Henry, Jo Daviess, Kanekeo, Kendall, LaSalle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.

TABLE V DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA, 1947.

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	2,479	145	166	14	48	182	653	1,416	--
SELECTED CAUSES OF DEATH	2,255	132	150	14	43	165	603	1,280	--
Diseases of infancy	115	109	111	2	1	--	1	--	--
Maternal causes	7	xxx	xxx	--	2	5	--	--	--
Communicable diseases, total	39	2	5	--	1	2	17	14	--
Diphtheria	--	--	--	--	--	--	--	--	--
Dysentery - all forms	2	1	1	--	--	--	1	--	--
Encephalitis	1	--	--	--	--	--	1	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	31	--	--	--	1	2	15	13	--
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	3	1	3	--	--	--	--	--	--
Other communicable diseases	2	--	1	--	--	--	--	1	--
Acute respiratory diseases	98	12	14	1	3	6	24	50	--
Influenza	7	1	1	--	1	1	--	4	--
Pneumonia	91	11	13	1	2	5	24	46	--
Tuberculosis - all forms	52	--	--	--	4	14	18	16	--
Pulmonary tuberculosis	50	--	--	--	4	13	18	15	--
Accidents - all forms	185	6	12	6	20	34	36	77	--
Motor vehicle	65	--	3	3	15	17	16	11	--
Home	79	3	6	--	3	5	11	54	--
Occupational	14	xxx	xxx	--	1	7	1	5	--
Public	27	3	3	3	1	5	8	7	--
Cancer	327	--	2	2	1	27	122	173	--
Cerebral hemorrhage	204	--	--	--	--	8	40	156	--
Diabetes	60	--	--	--	1	5	24	30	--
Diseases of digestive system	94	3	5	1	1	9	29	49	--
Cirrhosis of the liver	27	--	--	--	--	3	13	11	--
Diarrhea and enteritis	4	1	2	--	--	1	--	1	--
Goiter	5	--	--	--	--	1	2	2	--
Heart disease	818	--	--	1	3	32	237	545	--
Coronary	239	--	--	--	--	9	94	136	--
Chronic rheumatic	79	--	--	1	3	11	30	34	--
Homicide	11	--	--	--	3	6	2	--	--
Nephritis	192	--	1	1	2	11	38	139	--
Prostatic disease	25	--	--	--	--	--	3	22	--
Rheumatic fever	--	--	--	--	--	--	--	--	--
Suicide	23	xxx	xxx	--	1	5	10	7	--
ALL OTHER CAUSES	222	13	16	--	5	16	49	136	--
CAUSE AS YET UNASSIGNED	2	--	--	--	--	1	1	--	--

Peoria Metropolitan Area (Region 5)--1940 population: Total 211,756; Urban 139,211; Rural 72,525.
 Counties: Peoria and Tazewell.
 (See method for map of State by Regions.)

TABLE VI DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, 1947

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	14,885	940	1,082	133	248	813	3,331	9,277	1
SELECTED CAUSES OF DEATH	13,784	885	1,000	115	222	737	3,100	8,609	1
Diseases of infancy	743	707	721	9	4	6	2	1	--
Maternal causes	29	xxx	xxx	--	9	20	--	--	--
Communicable diseases, total	169	8	18	4	5	19	71	52	--
Diphtheria	1	--	--	1	--	--	--	--	--
Dysentery - all forms	7	1	5	--	--	--	1	1	--
Encephalitis	4	--	--	--	--	--	1	3	--
Measles	3	--	1	1	1	--	--	--	--
Meningitis	2	1	1	--	--	1	--	--	--
Poliomyelitis	5	--	2	2	--	1	--	--	--
Scarlet fever	1	--	--	--	--	1	--	--	--
Syphilis	121	--	--	--	2	11	66	42	--
Typhoid & paratyphoid fever	6	--	--	--	1	1	1	3	--
Whooping cough	9	6	9	--	--	--	--	--	--
Other communicable diseases	10	--	--	--	1	4	2	3	--
Acute respiratory diseases	466	94	124	11	2	25	59	245	--
Influenza	65	5	9	1	--	3	5	47	--
Pneumonia	401	89	115	10	2	22	54	198	--
Tuberculosis - all forms	218	--	2	2	13	57	82	62	--
Pulmonary tuberculosis	200	--	--	2	11	52	78	57	--
Accidents - all forms	1,046	28	66	55	128	184	164	449	--
Motor vehicle	367	2	13	27	92	91	73	71	--
Home	380	24	48	9	2	16	28	277	--
Occupational	102	xxx	xxx	--	10	45	29	18	--
Public	197	2	5	19	24	32	34	83	--
Cancer	2,020	1	5	5	5	121	687	1,197	--
Cerebral hemorrhage	1,576	1	5	5	1	17	315	1,233	--
Diabetes	392	--	--	--	6	19	116	251	--
Diseases of digestive system	605	36	44	10	10	56	206	279	--
Cirrhosis of the liver	130	--	--	1	--	15	50	64	--
Diarrhea and enteritis	45	28	33	1	2	--	2	7	--
Goiter	26	--	--	--	1	1	11	13	--
Heart disease	5,154	7	11	6	11	119	1,131	3,876	--
Coronary	1,654	1	1	--	1	45	541	1,066	--
Chronic rheumatic	261	--	--	1	4	23	64	169	--
Homicide	30	1	2	--	7	15	6	--	--
Nephritis	1,021	2	2	4	7	32	173	802	1
Prostatic disease	107	--	--	--	--	--	4	103	--
Rheumatic fever	8	--	--	3	1	4	--	--	--
Suicide	174	xxx	xxx	1	12	42	73	46	--
ALL OTHER CAUSES	1,089	54	80	18	26	72	229	664	--
CAUSE AS YET UNASSIGNED	12	1	2	--	--	4	2	4	--

Central Area (Region 4)--1940 population. Total 1,331,175; Urban 551,567; Rural 779,568. Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Coles, Cumberland, De Witt, Douglas, Elbert, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McHenry, Macon, Macomb, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermillion, Warren, and Woodford.

TABLE VII DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA, 1947

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	3,583	264	290	24	79	290	998	1,901	1
SELECTED CAUSES OF DEATH	3,308	250	269	21	72	262	939	1,744	1
Diseases of infancy	198	191	194	--	--	4	--	--	--
Maternal causes	10	xxx	xxx	--	5	5	--	--	--
Communicable diseases, total	53	3	4	1	--	12	24	11	1
Diphtheria	1	--	1	--	--	--	--	--	--
Dysentery - all forms	--	--	--	--	--	--	--	--	--
Encephalitis	1	--	--	--	--	--	1	--	--
Measles	--	--	--	--	--	--	--	--	--
Meningitis	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	46	2	2	--	--	11	21	11	1
Typhoid & paratyphoid fever	--	--	--	--	--	--	--	--	--
Whooping cough	2	1	1	1	--	--	--	--	--
Other communicable diseases	3	--	--	--	--	1	2	--	--
Acute respiratory diseases	112	23	25	--	--	10	31	46	--
Influenza	20	2	2	--	--	1	5	12	--
Pneumonia	92	21	23	--	--	9	26	34	--
Tuberculosis - all forms	89	--	1	--	6	30	39	13	--
Pulmonary tuberculosis	86	--	1	--	6	29	39	11	--
Accidents - all forms	274	14	20	15	43	43	56	97	--
Motor vehicle	81	--	--	--	29	20	20	12	--
Home	107	13	19	4	1	7	13	63	--
Occupational	22	xxx	xxx	--	2	8	8	4	--
Public	64	1	1	11	11	8	15	18	--
Cancer	428	--	2	2	--	35	178	211	--
Cerebral hemorrhage	354	--	1	--	1	9	92	251	--
Diabetes	99	--	--	--	2	4	38	55	--
Diseases of digestive system	159	19	22	--	3	12	60	62	--
Cirrhosis of the liver	37	--	--	--	--	4	21	12	--
Diarrhea and enteritis	19	15	17	--	--	--	1	1	--
Goiter	8	--	--	--	--	--	5	3	--
Heart disease	1,226	--	--	1	3	52	340	830	--
Coronary	301	--	--	--	--	19	137	145	--
Chronic rheumatic	46	--	--	1	1	10	17	17	--
Homicide	24	--	--	1	5	15	2	1	--
Nephritis	199	--	--	1	1	13	47	137	--
Prostatic disease	15	--	--	--	--	--	2	13	--
Rheumatic fever	2	--	--	--	--	1	1	--	--
Suicide	58	xxx	xxx	--	3	17	24	14	--
ALL OTHER CAUSES	272	14	21	3	7	25	59	157	--
CAUSE AS YET UNASSIGNED	3	--	--	--	--	3	--	--	--

East St. Louis Metropolitan Area (Region 5)--1940 population: Total 516,248; Urban 215,175; Rural 105,073
 Counties: Madison and St. Clair.
 (See maphead for map of State by Regions.)

TABLE VIII DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, 1947

(Does not include deaths of Illinois residents dying outside the State)

	Total	Under 1 yr.	0-4 yrs.	5-14 yrs.	15-24 yrs.	25-44 yrs.	45-64 yrs.	65 yrs. & over	Un- known
ALL DEATHS - ALL CAUSES	7,404	482	547	67	165	514	1,681	4,428	2
SELECTED CAUSES OF DEATH	6,743	454	510	56	147	465	1,576	3,989	--
Diseases of infancy	340	333	336	1	2	1	--	--	--
Maternal causes	29	xxx	xxx	--	8	19	2	--	--
Communicable diseases, total	91	14	22	4	3	18	28	16	--
Diphtheria	2	--	2	--	--	--	--	--	--
Dysentery - all forms	5	2	4	--	--	--	--	1	--
Encephalitis	3	--	1	--	1	1	--	--	--
Measles	1	--	--	1	--	--	--	--	--
Meningitis	1	--	--	1	--	--	--	--	--
Poliomyelitis	2	1	2	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--
Syphilis	56	1	1	--	--	16	27	12	--
Typhoid & paratyphoid fever	2	--	--	1	1	--	--	--	--
Whooping cough	9	8	9	--	--	--	--	--	--
Other communicable diseases	10	2	3	1	1	1	1	3	--
Acute respiratory diseases	259	50	54	4	5	17	31	148	--
Influenza	61	4	5	--	1	3	6	46	--
Pneumonia	198	46	49	4	4	14	25	102	--
Tuberculosis - all forms	200	3	5	--	14	59	66	56	--
Pulmonary tuberculosis	190	1	2	--	13	57	64	54	--
Accidents - all forms	666	10	34	33	81	135	184	199	--
Motor vehicle	168	3	8	7	44	43	35	31	--
Home	173	7	21	8	5	7	16	116	--
Occupational	217	xxx	xxx	--	13	67	117	20	--
Public	108	--	5	18	19	18	16	32	--
Cancer	866	--	3	2	6	57	309	489	--
Cerebral hemorrhage	757	2	3	--	1	17	148	588	--
Diabetes	184	--	--	2	3	8	51	120	--
Diseases of digestive system	287	39	48	4	8	26	84	117	--
Cirrhosis of the liver	56	--	--	--	--	8	22	26	--
Diarrhea and enteritis	36	25	30	--	--	1	1	4	--
Goiter	9	--	--	--	1	2	2	4	--
Heart disease	2,444	1	1	2	4	65	544	1,828	--
Coronary	653	1	1	--	1	24	219	408	--
Chronic rheumatic	126	--	--	1	3	10	29	83	--
Homicide	15	1	1	--	2	6	6	--	--
Nephritis	454	1	2	1	4	13	86	348	--
Prostatic disease	53	--	--	--	--	1	4	48	--
Rheumatic fever	5	--	1	1	1	1	--	1	--
Suicide	84	xxx	xxx	2	4	20	31	27	--
ALL OTHER CAUSES	654	28	36	11	18	46	103	438	2
CAUSE AS YET UNASSIGNED	7	--	1	--	--	3	2	1	--

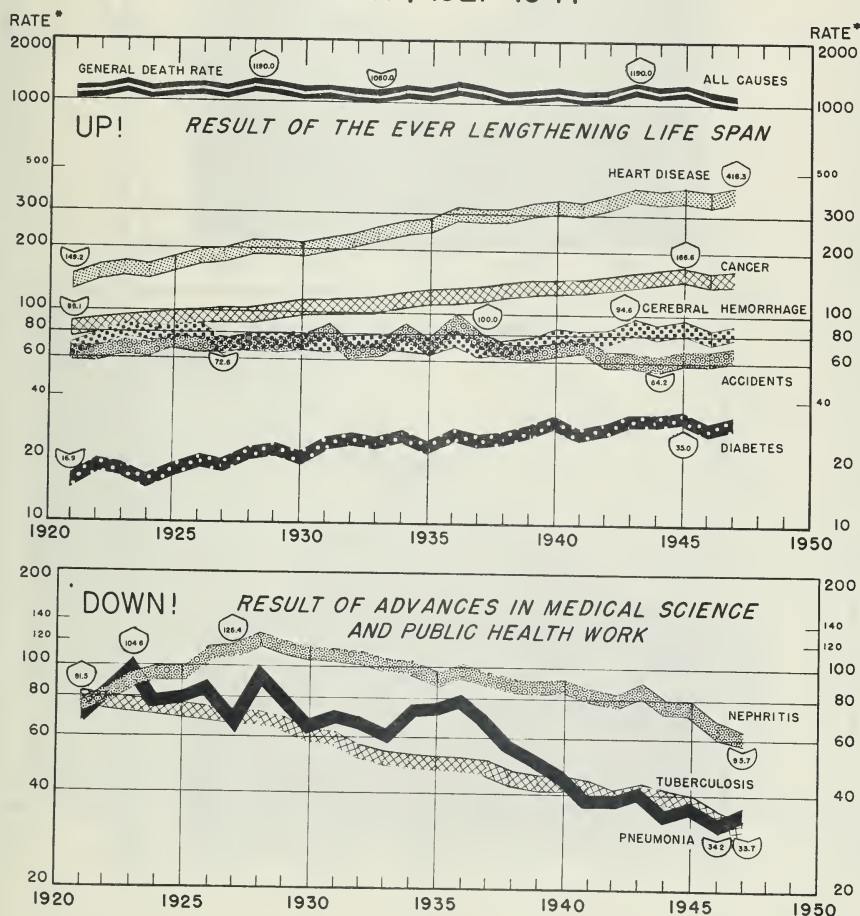
Southern Area (Region C) - 1940 population: Total 725,047; Urban 228,865; Rural 496,162.

Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.

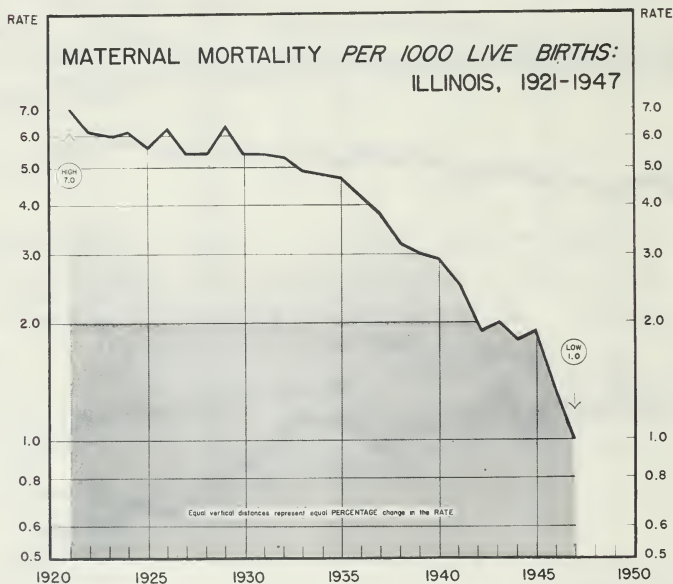
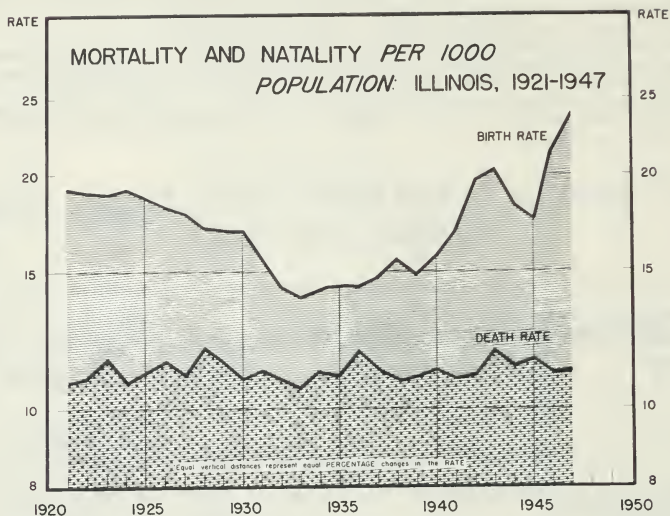
HEALTH TRENDS IN ILLINOIS, 1921-1947

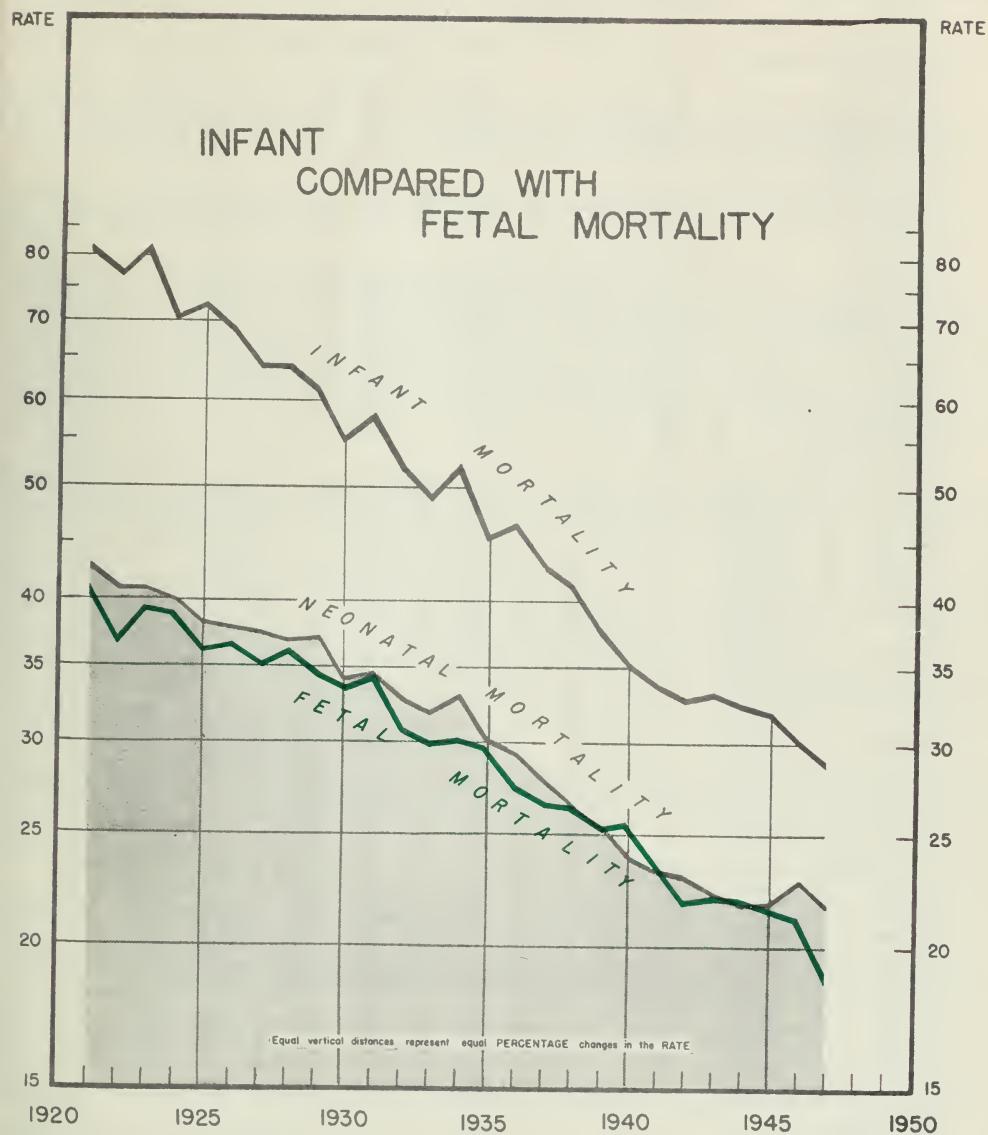
The charts and tables that follow review the principal vital statistics of the state over the period 1921 through 1947. The series begins with 1921 because it was the first year for which Illinois assembled comprehensive statistics on births and deaths. The birth and death figures represent all births and deaths that occurred within the state and were registered up to July 1 of the year following the occurrence. (Exception; the 1947 figures are provisional, based on reports received before March 15, 1948). The figures on communicable disease cases cover all reports of notifiable diseases within the state. Tuberculosis figures since 1942 are not quite comparable to those for prior years, because in 1942 and later only new cases are counted. In 1942 a central register was established for screening out subsequent reports of the same case.

THE TREND OF DEATH RATES FOR LEADING CAUSES ILLINOIS, 1921-1947



*Deaths per 100,000 inhabitants of the state.





SELECTED CAUSES OF DEATH OCCURRING IN ILLINOIS, 1921-1947

TABLE IX Number of Deaths and Reported Cases

(Deaths are those occurring within the state. Cases are those reported to Illinois health officers.)

CAUSE	International List Number 3rd revision 1928	1921	1922	1923	1924	1925	1926	1927	1928	1929	International List Number 4th revision 1929	1930
ALL CAUSES		73,505	75,857	81,761	77,144	81,594	85,328	82,846	90,192	87,789		83,593
MATERIAL AND INFANT DEATHS												
Maternal causes*	143-150	923	795	793	833	762	848	717	694	818	140-150	693
Stillbirths		5375	4827	5167	5299	4894	4844	4701	4679	4459		4312
Neonatal deaths (Under 1 month)	All causes	88	88	88	88	5161	5045	4989	4761	4750	All causes	4357
Infant deaths (Under 1 year)	All causes	10,644	10,387	10,810	9,742	9,821	9,296	8,506	8,333	7,906	All causes	7,132
Premature birth	2,645	2,662	2,808	2,687	2,615	2,551	2,512	2,444	2,494	1559	1559	2,256
Diarrhea and enteritis (Under 2 years)	113	3,100	2,241	2,369	1,878	2,134	1,693	1,377	1,239	886	119	966
EXTERNAL CAUSES												
Accidents - all forms†	†	4,639	4,711	5,110	5,031	5,607	5,383	5,636	5,242	5,708	†	5,965
Motor vehicle accidents‡	188c-c	893	1,021	978	1,011	1,160	1,248	1,534	1,760	1,698	206,208,210,211	2,285
Homicide	197-200	597	648	709	821	877	845	750	790	674	172-175	805
Suicide	165-174	974	895	886	1,012	958	1,059	1,122	1,228	1,087	163-171	1,362
GENERAL CAUSES												
Appendicitis	117	1,070	1,033	1,146	1,100	1,195	1,215	1,218	1,288	1,298	121	1,326
Arteriosclerosis	91b	1,036	1,054	1,122	1,192	1,356	1,389	1,517	1,463	1,309	97	1,177
Cancer	43-49	6,042	6,426	6,626	6,960	7,249	7,492	7,735	7,888	8,107	45-53	8,568
Cerebral hemorrhage	74,75,83	5,116	5,475	6,067	6,078	6,186	6,401	5,459	5,917	5,903	82	5,787
Cirrhosis of the liver	122	451	525	585	551	627	608	697	722	683	124	752
Diabetes mellitus	57	1,160	1,367	1,366	1,238	1,394	1,581	1,498	1,750	1,789	59	1,707
Goiter§	60	257	231	234	280	372	433	546	554	573	66a-h	445
Heart disease	87-90	10,231	11,357	11,989	11,895	13,258	14,343	15,049	16,609	16,574	90-95	16,197
Hernia and intestinal obstruction	118	595	702	695	666	721	718	682	804	802	122	1,180
Nephritis	128-129	6,397	5,876	6,697	7,117	7,250	8,450	8,708	9,472	9,141	130-132	8,809
Prostatic disease	135	317	369	404	319	382	400	407	421	421	117	424
Stomach, duodenal ulcers	111	372	355	425	462	479	491	504	510	573	117	545
COMMUNICABLE DISEASES												
Chickenpox-----Deaths	25a	7	13	14	7	18	12	16	9	12	44a	10
Cases		13,639	13,442	11,514	13,865	11,195	13,698	12,757	13,684	13,855		13,348
Diphtheria-----Deaths	10	1,474	1,171	801	472	408	413	649	649	756	10	543
Cases		20,767	15,132	10,683	6,859	5,003	4,529	6,272	7,107	8,155		6,543
Dysentery-----Deaths	16,116e	66	19	28	25	27	51	25	42	49	13	78
Cases		1,400	1,321	1,803	1,184	990	617	433	289	235		447
Encephalitis-----Deaths	23	123	47	76	52	67	72	64	69	70	17	68
Cases		243	102	126	88	112	109	112	91	80		77
Influenza-----Deaths	11	595	1,682	2,586	1,033	1,596	2,017	1,068	2,703	2,606	11	946
Cases		2,576	15,899	7,366	1,302	2,981	4,566	1,828	10,915	7,683		1,239
Malaria-----Deaths	5	84	80	80	82	61	42	63	56	70	38	50
Cases		1,155	527	91	59	117	86	134	107	186		366
Measles-----Deaths	7	311	190	561	225	213	346	292	84	275	7	91
Cases		29,303	16,590	46,694	20,144	28,211	31,511	41,016	7,414	38,793		16,678
Meningitis (Meningococcus)-Deaths	24	72	51	63	46	56	58	30	225	306	18	208
Cases		226	181	128	81	106	114	296	456	578		445
Mumps-----Deaths	13	8	8	5	7	7	7	4	7	8	part of 44c	1
Cases		11,325	4,874	6,834	11,369	7,066	3,524	13,583	8,093	4,507		8,192
Paratyphoid-----Deaths	1b	7	1	5	6	6	--	2	2	2	2	--
Cases		89	48	29	29	24	22	16	63	32		28
Pneumonia, all forms-----Deaths	100-101	5,040	6,083	7,392	5,867	6,025	6,627	5,469	7,684	6,233	107-109	5,178
Cases		9,222	15,126	18,280	14,217	15,215	17,633	13,205	19,137	15,017		11,829
Poliomyelitis-----Deaths	22	149	51	46	25	41	26	103	33	16	16	61
Cases		671	126	220	257	264	127	480	106	82		402
Rheumatic fever (acute)-----Deaths	51	252	201	312	304	95	229	185	162	189	56	162
Cases§		--	--	--	--	--	--	--	--	--		--
Rocky Mt. Spotted fever-----Deaths	part of 44c	--	--	--	--	--	--	--	--	--	part of 44c	--
Cases§		--	--	--	--	--	--	--	--	--		--
Scarlet fever-----Deaths	8	390	296	225	206	268	233	172	160	304	8	306
Cases		19,025	12,261	9,481	11,702	15,688	14,243	11,787	12,355	17,298		17,352
Smallpox-----Deaths	6	26	23	2	16	22	8	3	5	18	6	7
Cases		8,536	2,117	929	1,356	1,624	1,073	1,236	1,652	4,249		3,780
Tuberculosis, all forms-----Deaths	31-37	5,593	5,605	5,557	5,637	5,526	5,499	5,482	5,466	5,246	23-32	4,789
Cases		14,427	16,483	16,512	5,041	13,999	17,002	14,622	12,500	12,255		11,179
Tularemia-----Deaths	Not classified	--	--	--	--	--	--	--	--	--	part of 44c	--
Cases		--	--	--	--	--	--	--	--	--		--
Typhoid fever-----Deaths	1a	389	282	314	237	320	231	174	159	108	1	139
Cases		2,419	1,771	1,860	1,469	2,097	1,669	1,278	955	766		960
Undulant fever-----Deaths	4	2	--	--	--	--	--	--	--	--	5	6
Cases		506	235	514	352	315	367	308	270	260	9	181
Whooping cough-----Deaths	9	13,577	8,764	9,828	8,238	11,074	9,874	11,124	10,457	10,277		8,573
VENEREAL DISEASE												
Gonococcus infection-----Deaths	40	49	59	137	117	103	72	52	43	26	35	49
Cases		12,400	13,938	16,241	19,694	19,590	20,286	21,342	19,826	18,454		18,061
Syphilis-----Deaths††	38,72,76	1,146	1,198	1,136	1,092	1,170	1,198	1,049	1,070	1,075	80,83,34	1,060
Cases		7,542	10,549	9,967	10,549	11,213	12,577	13,415	12,699	13,091		12,988

* Criminal abortion added to this group in the 1939 revision of the International List.

† Under the 1920 revision this group covers International List numbers 175-189, 192-196, and 201-203. Under the 1929 revision this group covers International List numbers 176-195 and 201-214. Deaths by Legal Execution was part of International List number 202 in the 1920 revision but has since been excluded from the accident group.

‡ Under the 1920 revision collisions between automobiles and trains or streetcars were allocated to Other Transport Accidents. Under the 1929 and 1939 revisions collisions between automobiles and trains or streetcars were allocated to Motor Vehicle Accidents.

SELECTED CAUSES OF DEATH OCCURRING IN ILLINOIS, 1921-1947

17

TABLE IX Number of Deaths and Reported Cases

(Deaths are those occurring within the state. Cases are those reported to Illinois health officers.)

1931	1932	1933	1934	1935	1936	1937	1938	1939	International List Number 5th revision 1939	1940	1941	1942	1943	1944	1945*	1946*	1947†
85,791	83,183	82,456	87,205	85,525	92,811	87,740	84,768	86,993		88,233	85,552	86,707	90,714	87,144	89,204	88,429	92,362
639	588	527	532	525	475	436	390	349	140-150	359	331	292	309	254	251	230	200
4,082	3,459	3,229	3,343	3,330	3,123	3,078	3,230	3,003		3,162	3,197	3,389	3,389	3,049	2,927	2,935	3,627
4,075	3,647	3,408	3,628	3,381	3,311	3,211	3,238	3,007	All causes	2,961	3,146	3,548	3,409	3,023	2,958	3,916	4,169
6,965	5,882	5,294	5,826	5,138	5,245	4,966	5,017	4,464	159	4,331	4,564	5,075	5,070	4,496	4,300	5,202	5,241
1,994	1,756	1,537	1,807	1,664	1,521	1,505	1,522	1,431	119	1,510	1,515	1,792	1,683	1,310	1,361	1,954	1,959
851	546	494	651	341	514	357	430	245		199	259	234	260	191	204	437	158
6,686	5,495	5,730	6,920	5,894	7,841	6,360	5,749	5,615	169-195	5,845	6,097	5,202	4,985	4,899	5,214	5,531	5,783
2,367	2,109	2,177	2,575	2,334	2,524	2,628	2,193	2,255	170	2,315	2,566	1,650	1,283	1,317	1,547	1,825	1,900
801	749	836	759	545	501	495	418	413	165-168	343	363	352	293	312	358	474	419
1,412	1,426	1,322	1,323	1,244	1,170	1,242	1,268	1,169	163-164	1,154	1,043	937	812	735	846	937	954
1,343	1,169	1,229	1,185	1,031	1,027	1,037	933	908	121	824	708	538	509	501	399	352	308
1,047	975	1,024	1,331	1,320	1,426	1,229	1,246	1,323	97	1,364	1,278	1,286	1,512	1,624	1,528	1,431	1,431
6,699	9,039	9,184	9,636	10,033	10,289	10,332	10,746	11,194	45-55	11,310	11,590	11,815	12,142	12,482	12,865	12,909	13,441
5,734	5,967	6,042	5,915	5,776	6,312	5,737	5,872	6,183	83	6,744	6,594	6,736	7,186	6,759	7,235	7,057	7,419
1,741	743	753	738	597	900	837	842	824	124	862	844	908	884	866	895	981	1,158
1,986	2,079	2,044	2,183	1,979	2,293	2,132	2,173	2,356	61	2,632	2,283	2,448	2,558	2,605	2,700	2,825	2,735
466	455	388	379	372	386	323	313	337	63a-b	292	261	262	245	228	233	212	185
17,099	18,274	19,904	21,025	21,803	24,907	24,607	24,523	26,648	90-95	27,614	27,005	29,126	31,322	30,680	31,891	31,422	34,225
898	825	811	868	889	883	917	788	797	122	764	810	793	817	833	760	732	703
8,715	8,611	8,125	8,083	7,565	8,024	7,514	7,220	7,177	137	7,241	6,835	6,539	6,840	6,107	6,132	5,593	5,235
409	384	351	440	488	561	563	517	509	117	559	560	588	634	650	558	585	577
507	525	559	557	628	565	574	549	546									
15	8	14	14	12	7	6	3	3	38e	18,05	16,16	13,618	12,648	16,498	10,510	11,717	14,272
12,670	14,269	15,972	16,034	16,200	14,409	16,136	15,520	15,698	10	86	58	63	78	23	15	31	12
503	240	134	153	208	170	153	120	118		936	960	815	59	35	194	460	173
5,413	3,811	1,695	2,092	2,663	1,784	1,671	1,634	1,446	27	47	35	54	29	34	28	22	22
81	66	111	59	89	145	69	67	67	37	202	256	453	152	204	324	236	326
69	241	420	576	187	264	553	408	321		24	25	24	28	33	42	22	24
47	55	102	81	35	35	31	19	19	33	71	110	71	83	78	68	57	59
63	100	230	297	123	74	109	111	67	33	645	510	373	630	521	342	242	244
1,673	1,900	1,200	838	1,225	1,140	1,331	439	967		1,124	1,402	608	2,096	1,439	1,018	345	1,125
3,561	3,908	2,179	1,168	2,034	2,065	55	38	35	28	18	8	15	9	4	8	28	6
61	39	62	60	71	35	35	35	423	35	199	127	92	122	23	6	37	11
561	130	253	322	378	221	207	263	33	35	17	14	68	36	53	85	10	52
339	51	52	210	286	9	25	207	3		8,669	57,075	10,060	29,634	19,451	7,930	25,995	8,341
39,207	16,069	12,357	44,679	58,103	1,228	12,432	88,150	1,269	6	50	67	27	151	186	134	75	45
257	153	208	119	207	175	95	21	13	44	17	19	90	793	996	611	363	205
490	322	557	337	554	436	226	91	76		4	2	5	3	1	5	1	-
2	3	2	8	4	6	4	1	5		6,409	13,063	7,388	7,108	6,268	7,205	5,290	6,485
8,311	2,458	4,647	11,033	5,215	7,857	6,504	6,770	4,594	2	3	2	--	1	1	1	1	6
2	4	3	6	4	2	3	2	2		19	14	11	13	9	9	10	1
36	37	22	52	38	18	39	30	36	107-109	3,738	3,180	3,173	3,184	2,748	2,911	2,796	3,035
5,562	5,332	4,966	5,906	5,984	6,312	5,512	4,595	4,193		14,592	12,420	11,359	11,419	8,567	6,813	6,287	4,755
13,467	12,295	10,933	12,413	13,519	15,926	14,970	12,834	13,472	36	581	374	487	1,576	560	1,104	2,554	860
102	40	29	27	40	70	90	16	21	58	134	106	78	76	71	73	62	47
700	202	201	213	243	689	779	106	192		**	**	**	**	399	275	320	4
210	245	277	165	198	147	109	121	131	39c	4	4	2	2	1	1	1	3
**	**	**	**	**	**	**	**	**		18	19	25	12	13	18	41	31
**	**	**	**	**	**	**	**	**	8	67	42	33	22	28	27	10	10
360	263	277	306	407	233	160	136	74		20,814	11,583	7,754	6,989	11,731	10,521	6,397	4,063
16,775	14,876	16,604	21,403	34,727	22,451	21,525	18,245	15,060	6	--	--	--	--	--	--	--	--
2	3	2	2	2	2	1	--	--		167	102	60	68	12	12	6	2
1,766	318	248	88	83	22	42	919	965	13-22	3,654	3,472	3,249	3,240	3,125	3,119	2,958	2,770
4,799	4,291	4,174	4,124	4,075	4,050	3,995	3,686	3,768		8,574	9,412	9,415	8,740	7,967	6,305	6,587	7,772
10,423	10,466	9,193	9,734	9,911	8,506	9,064	8,222	7,752	26a	23	6	1	1	10	6	9	4
**	**	**	**	**	**	**	**	**	1	272	106	67	55	91	131	98	124
126	134	172	134	69	91	109	459	485	5	33	26	18	10	12	9	9	9
127	125	110	125	87	71	58	57	103		310	280	233	121	102	87	106	139
804	1,045	770	1,085	737	548	501	493	870	9	155	217	265	306	322	324	478	554
7	5	2	5	5	3	2	6	7		65	90	95	98	42	53	30	41
124	72	94	101	144	84	107	212	235		6,411	7,707	11,759	7,459	3,194	4,106	5,431	4,795
223	228	61	307	210	146	149	169	157									
10,911	11,786	6,439	15,352	11,064	10,171	7,906	15,137	12,922									
44	41	18	17	44	22	25	15	7	25	16	13	10	2	8	6	7	4
18,722	16,695	13,866	14,972	13,854	12,949	15,998	14,442	15,830		17,281	19,249	20,606	21,580	22,580	27,117	37,956	32,794
1,080	1,008	967	1,059	995	1,018	951	915	828	30	1,014	951	840	853	792	747	676	676
19,813	19,434	13,369	17,428	15,628	16,738	24,276	28,349	28,222		21,979	23,408	28,678	28,680	25,165	21,675	23,701	19,360

* Other diseases of the thyroid glands allocated to International List number 60b in the 1920 revision. Under the 1929 and 1939 revisions other diseases of the thyroid glands allocated to International List numbers 66c,d,e and 61c,d,e and g respectively.

Archaic carriers included in the dysentery group for 1945 and 1946.

† The regulation requiring the reporting of cases of Rheumatic Fever in downstate Illinois only, went into effect July 1, 1943.

** Not available.

†† Syphilitic aneurysm was allocated to diseases of the circulatory system in the 1920 and 1929 revisions of the International List. In the 1939 revision syphilitic aneurysm was allocated to International List number 30d.

‡ Provisional figures.

SELECTED CAUSES OF DEATH OCCURRING IN ILLINOIS, 1921-1947

TABLE X Mortality and Morbidity Rates

(Based on deaths occurring within the state and cases reported to Illinois health officers. The rate for Mortality all causes is per 1,000 population. Maternal and infant causes except Diarrhea and enteritis are per 1,000 live births. All other rates are per 1,000 population. Population estimated for each year as of July 1.)

CAUSE	International List Number 3rd revision 1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	International List Number 4th revision 1929	1930
ALL CAUSES		10.7	10.9	11.6	10.7	11.2	11.5	11.0	11.9	11.5		10.9
MATERNAL AND INFANT MORTALITY												
Maternal causes*	143-150	7.0	6.1	6.0	6.1	5.6	6.3	5.4	5.4	6.4	140-150	5.4
Sillbirths		40.9	36.8	39.2	38.6	36.1	36.4	35.2	36.1	34.7		33.7
Neonatal mortality (Under 1 month)	All causes	42.6	41.4	41.4	40.0	38.1	37.6	37.3	36.7	36.9	All causes	34.0
Infant mortality (Under 1 year)	161a	81.1	77.6	81.9	71.0	72.5	69.3	64.4	64.3	61.5	All causes	55.8
Premature birth	161a	20.1	20.3	21.3	19.6	19.3	19.0	18.6	18.8	19.4		17.6
Diarrhea and enteritis (Under 2 years)	113	45.2	32.2	33.5	26.0	29.2	22.9	18.3	16.4	11.6	119	12.6
EXTERNAL CAUSES												
Accidents - all forms†	†	67.6	67.7	72.3	69.7	76.7	72.8	75.0	77.1	75.0	†	78.0
Motor vehicle accidents‡	188c-e	13.0	14.7	13.8	14.0	15.5	16.9	20.4	23.2	22.3	205,208,210,211	29.9
Homicide	197-200	8.7	9.3	10.0	11.4	11.4	10.0	10.4	8.9	10.5	172-175	10.5
Suicide	165-174	14.2	12.9	12.5	14.0	13.1	14.3	14.9	16.2	14.3	163-171	16.1
GENERAL CAUSES												
Appendicitis	117	15.6	14.8	16.2	15.2	16.4	16.4	16.2	17.0	17.1	121	17.3
Arteriosclerosis	91b	15.1	15.1	15.9	16.5	18.6	18.8	20.2	19.3	17.2	97	15.4
Cancer	43-49	88.1	92.4	93.8	96.5	99.2	101.3	102.9	104.1	106.6	45-53	112.1
Cerebral hemorrhage	74,75,83	74.6	78.7	85.8	84.2	84.7	86.6	72.6	78.1	77.6	82	75.7
Cirrhosis of the liver	122	6.6	7.5	8.3	7.4	8.6	8.2	9.3	9.5	9.0	124	9.6
Diabetes mellitus	57	16.9	19.6	19.3	17.2	19.1	21.4	19.9	23.1	23.5	59	5.8
Colic§	60	3.7	3.3	3.3	3.9	5.1	5.9	7.3	7.3	7.5	60a-b	211.9
Heart disease	87-90	149.2	163.2	169.6	164.9	181.4	193.9	200.1	219.2	217.9	90-95	122
Hernia and intestinal obstruction	118	10.1	10.1	9.8	9.2	9.9	9.7	9.1	10.6	10.5	130-132	11.5
Nephritis	128-129	78.7	84.4	94.8	98.6	99.2	114.3	115.8	126.4	120.2	122	115.2
Prostatic disease	135	4.6	5.3	5.7	4.4	5.2	5.4	5.4	5.5	5.5	137	5.5
Stomach, duodenal ulcers	111	5.4	5.7	6.0	6.4	6.6	6.6	6.7	7.5	7.5	117	7.1
COMMUNICABLE DISEASES												
Chickenpox-----Deaths	25a	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	44a	0.1
Cases		198.9	193.2	162.9	192.2	153.2	185.2	169.7	180.6	182.2		174.6
Diphtheria-----Deaths	10	21.5	16.8	11.3	6.5	5.6	5.6	8.6	8.6	9.9	10	7.1
Cases		302.8	217.5	151.2	95.1	68.5	61.2	83.4	93.8	107.2		89.5
Dysentery-----Deaths	16,116e	1.0	0.3	0.4	0.3	0.4	0.7	0.3	0.6	0.6	13	1.0
Cases		20.4	19.0	25.5	16.4	13.6	8.3	5.8	3.8	3.1		0.9
Encephalitis-----Deaths	23	1.8	0.7	1.1	0.7	0.9	1.0	0.9	0.9	1.1	17	1.0
Cases		3.5	1.5	1.8	1.2	1.5	1.5	1.5	1.2	1.1		12.4
Influenza-----Deaths	11	8.7	24.2	36.6	14.3	21.8	27.3	34.2	35.7	34.3	11	16.2
Cases		37.6	228.5	104.2	16.0	40.8	61.7	24.4	144.7	101.0		0.7
Malaria-----Deaths	5	1.2	1.1	1.1	0.8	1.5	1.2	1.8	1.4	2.4		1.2
Cases		16.8	7.6	1.3	0.8	1.5	1.2	1.8	1.4	2.4		1.2
Measles-----Deaths	7	4.5	7.9	3.1	2.9	4.7	3.9	1.1	3.6	7		218.2
Cases		427.3	237.7	660.7	279.2	386.2	426.1	545.5	97.9	510.0		2.7
Meningitis (Meningococcus)-----Deaths	24	1.1	0.7	0.9	0.6	0.8	0.8	1.7	3.0	4.0	18	5.8
Cases		3.3	2.6	1.8	1.1	1.5	1.5	3.9	6.0	7.6		0.0
Mumps-----Deaths	13	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	part of 44c	107.2
Cases		165.1	70.0	96.7	157.6	96.7	177.7	180.6	106.8	59.3		-0-
Paratyphoid-----Deaths	1b	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0		0.4
Cases		1.3	0.7	0.4	0.3	0.3	0.3	0.2	0.8	0.4		67.7
Pneumonia, all forms-----Deaths	100-101	73.5	87.4	104.6	81.3	82.5	89.6	72.7	101.4	81.9	107-109	154.7
Cases		134.5	217.4	258.6	197.0	208.3	238.5	175.6	252.6	197.4		0.8
Polioymyelitis-----Deaths	22	2.2	0.7	0.7	0.3	0.6	0.4	1.4	0.4	0.2	16	5.3
Cases		9.8	1.8	3.1	3.6	3.6	1.7	6.4	1.4	1.1		2.1
Rheumatic fever (acute)-----Deaths	51	3.7	2.9	4.4	4.2	2.7	3.1	2.5	2.1	2.5	56	2.1
Cases†		**	**	**	**	**	**	**	**	**	part of 44c	**
Rocky Mt. Spotted fever-----Deaths	part of 44c	**	**	**	**	**	**	**	**	**	part of 44c	**
Cases		**	**	**	**	**	**	**	**	**		4.0
Scarlet fever-----Deaths	8	5.7	4.3	3.2	2.9	3.7	3.2	2.3	2.1	4.0	8	227.0
Cases		277.4	176.2	134.1	162.2	214.7	192.6	156.8	165.1	227.4	6	0.1
Smallpox-----Deaths	6	0.4	0.3	0.0	0.2	0.3	0.1	0.0	0.1	0.2		49.4
Cases		124.5	30.4	13.1	18.8	22.2	14.5	16.4	21.8	55.9	23-32	62.6
Tuberculosis all forms-----Deaths	31-37	81.5	80.6	78.6	78.1	75.6	74.4	72.9	72.2	69.0		146.2
Cases		210.4	236.9	233.6	208.5	191.6	229.9	194.5	165.0	161.1	part of 44c	1.8
Tularemia-----Deaths	Not classified	**	**	**	**	**	**	**	**	**		2.0
Cases		**	**	**	**	**	**	**	**	**		12.6
Typhoid fever-----Deaths	1a	5.7	4.1	4.4	3.3	4.4	3.1	2.3	2.1	1.4	1	0.1
Cases		35.3	25.5	26.3	20.4	28.7	22.6	17.0	12.6	10.1	5	0.8
Undulant fever-----Deaths	4	0.0	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-		2.4
Cases		**	**	**	**	**	**	**	**	**		112.1
Whooping cough-----Deaths	9	7.4	3.4	7.3	4.9	4.3	5.0	4.1	3.6	3.4		0.6
Cases		198.0	126.0	139.1	114.2	151.6	133.5	147.9	138.0	135.1	35	236.3
VENEREAL DISEASE												
Gonococcus infection-----Deaths	40	0.7	0.8	1.9	1.6	1.4	1.0	0.7	0.6	0.3		13.9
Cases		180.8	200.3	229.8	272.4	268.2	274.3	283.8	261.7	242.8	80,83,34	169.9
Syphilis-----Deaths†	38,72,76	16.7	17.2	16.1	15.1	16.0	16.2	14.0	14.1	14.1		
Cases		110.0	151.6	141.0	146.2	153.5	170.1	178.4	167.6	172.1		

* Criminal abortion added to this group in the 1939 revision of the International List.

† Under the 1920 revision this group covers International List numbers 175-189, 192-196, and 201-203. Under the 1929 revision this group covers International List numbers 176-195 and 201-214. Deaths by Legal Execution was part of International List number 202 in the 1920 revision but has since been excluded from the accident group.

‡ Under the 1920 revision collisions between automobiles and trains or streetcars were allocated to Other Transport Accidents. Under the 1929 and 1939 revisions collisions between automobiles and trains or streetcars were allocated to Motor Vehicle Accidents.

SELECTED CAUSES OF DEATH OCCURRING IN ILLINOIS, 1921-1947

TABLE X Mortality and Morbidity Rates

(Based on deaths occurring within the state and cases reported to Illinois health officers. The rate for Mortality all causes is per 1,000 population. Maternal and infant causes except Diarrhea and enteritis are per 1,000 live births. All other rates are per 1,000 population. Population estimated for each year as of July 1.)

1931	1932	1933	1934	1935	1936	1937	1938	1939	International List Number 5th revision 1939	1940	1941	1942	1943	1944	1945#	1946#	1947##
11.2	10.8	10.6	11.2	11.0	11.8	11.2	10.8	11.0		11.2	10.8	11.0	11.9	11.4	11.6	11.0	11.2
5.4	5.3	4.9	4.8	4.7	4.2	3.8	3.2	3.0	140-150	2.9	2.5	1.9	2.0	1.8	1.9	1.3	1.0
34.4	31.0	30.2	30.3	29.8	27.8	26.7	26.5	25.5		25.7	23.8	22.0	22.2	21.7	21.7	21.3	18.9
34.3	32.7	31.9	32.9	30.2	29.5	27.9	26.6	25.5	All causes	24.0	23.4	23.0	22.3	21.8	21.9	20.9	21.7
58.6	52.7	49.5	52.9	45.9	46.8	43.1	41.2	37.9	All causes	35.2	33.9	32.9	32.3	32.4	31.8	32.2	28.8
16.8	15.7	14.4	16.4	14.9	13.6	13.1	12.5	12.1	159	12.3	11.3	11.6	11.0	9.4	10.1	11.4	10.2
11.1	7.1	6.4	8.4	4.4	6.6	4.5	5.5	3.1	119	2.5	3.3	3.0	3.4	2.5	2.6	2.3	1.9
87.0	71.0	73.8	89.0	75.6	100.0	80.9	73.1	71.2	169-195	73.9	76.8	65.8	65.7	64.2	67.5	69.0	70.3
30.8	27.3	28.0	33.1	29.9	32.2	33.4	27.9	28.6	170	29.3	32.3	20.9	16.9	17.3	20.0	22.7	23.1
10.4	9.7	10.8	9.8	7.0	6.4	6.3	5.3	5.2	165-168	4.3	4.6	4.5	3.9	4.1	4.6	5.9	5.1
17.5	18.8	17.0	17.0	16.0	14.9	15.8	16.1	14.8	163-164	14.6	13.1	11.9	10.7	9.9	11.0	11.7	11.6
17.5	15.1	15.8	15.2	13.2	13.1	13.2	11.9	11.5	121	10.4	8.9	6.8	6.7	6.6	5.2	4.4	3.7
13.6	12.6	13.2	17.1	16.9	18.2	15.6	15.8	16.8	97	17.3	16.1	16.3	19.9	20.0	21.0	19.0	17.4
113.2	116.8	118.2	124.0	128.7	131.2	131.5	136.6	141.9	45-55	143.0	145.9	149.5	159.9	163.6	166.6	160.8	163.5
74.6	77.4	77.8	76.1	74.1	80.5	73.0	74.7	78.4	83	85.3	83.0	85.2	94.9	88.6	93.7	87.9	90.2
9.6	9.6	9.3	9.7	9.5	11.6	11.5	10.6	10.7	124	10.9	10.6	11.5	11.6	11.3	11.6	12.2	14.1
25.8	26.9	26.3	28.1	25.4	29.2	27.1	27.6	29.9	61	33.3	28.7	31.0	33.7	34.1	35.0	31.7	33.3
6.1	5.9	5.0	4.9	4.8	4.9	4.1	4.2	4.3	63a-b	3.7	3.3	3.3	3.2	3.0	3.0	2.6	2.3
222.4	236.2	256.2	270.5	279.6	317.7	313.2	315.4	337.7	90-95	349.3	340.0	368.5	412.5	402.1	413.0	391.4	415.3
11.7	10.7	10.4	11.2	11.4	11.3	11.7	10.0	10.1	122	9.7	10.2	10.0	10.8	10.9	9.8	9.1	8.6
113.4	111.3	104.6	104.0	97.0	102.3	95.6	91.8	91.0	130-132	91.6	86.0	82.7	90.1	80.0	79.4	69.7	63.7
5.3	5.0	4.5	5.7	6.3	7.2	7.2	6.6	6.5	137	7.8	7.0	7.4	8.3	8.5	7.2	7.3	7.0
6.6	6.8	7.2	7.2	8.1	7.2	7.3	7.0	6.9	117	7.1	8.2	7.4	8.2	8.1	7.7	6.7	7.3
0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.0	0.0	38e	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0
164.8	184.4	205.6	206.3	207.8	183.8	205.4	197.3	199.0		228.3	203.5	172.3	166.6	216.2	136.1	145.9	173.6
5.0	3.1	1.7	2.0	2.7	2.2	1.9	1.5	1.5	10	1.1	0.7	0.8	1.0	0.3	0.2	0.4	0.1
70.4	49.3	21.8	26.9	34.2	22.8	21.1	20.9	18.3		11.8	11.8	10.3	7.7	4.1	2.5	5.8	2.1
1.1	0.9	1.0	1.4	0.6	1.1	1.8	0.9	0.8	27	0.6	0.4	0.7	0.4	0.4	0.2	0.3	0.3
0.9	3.1	5.4	7.4	2.4	3.4	7.0	5.2	4.1		2.6	2.6	5.7	2.0	2.7	0.4	2.9	4.0
0.6	0.7	1.3	1.0	0.4	0.4	0.5	0.4	0.2	37	0.3	0.3	0.3	0.4	0.4	0.5	0.3	0.3
0.8	1.3	3.0	3.8	1.6	0.9	1.4	1.4	0.8		0.9	1.4	0.9	1.1	1.0	0.9	0.7	0.7
21.8	24.6	15.4	10.8	15.7	14.5	16.9	5.6	12.3	33	8.2	6.4	4.7	8.3	6.8	4.4	3.0	0.0
46.3	50.5	28.1	15.0	26.1	26.3	45.8	9.2	81.7		14.2	17.6	7.7	27.6	18.9	13.2	4.3	13.7
0.8	0.5	0.8	0.8	0.9	0.7	0.5	0.4	0.4	28	0.2	0.1	0.2	0.1	0.1	0.1	0.3	0.1
7.3	1.7	3.3	4.1	4.8	2.8	2.6	3.3	5.4		2.5	1.6	1.2	1.6	0.3	0.1	0.5	0.1
4.4	0.7	0.7	2.7	3.7	0.1	0.3	2.6	0.0	35	0.2	1.1	0.5	0.7	1.1	0.1	0.6	0.1
510.0	207.7	159.1	574.8	745.2	15.7	158.2	1120.7	16.1		109.6	718.5	127.3	391.1	254.9	102.7	323.8	101.5
5.3	2.0	2.7	1.3	2.7	2.2	1.2	0.3	0.2	6	0.2	0.2	0.3	2.0	2.4	1.7	0.9	0.5
6.4	4.2	7.2	4.3	7.1	5.6	2.9	1.2	1.0		0.6	0.9	1.1	10.4	13.1	7.9	4.5	2.5
0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1	44c	0.1	0.1	0.1	0.0	0.1	0.0	0.0	-0-
108.1	31.8	59.8	142.0	66.9	100.2	82.8	86.1	58.2		81.1	164.4	93.5	93.6	82.1	93.3	65.9	78.9
0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	2	0.0	0.0	-0-	0.0	0.0	0.0	0.0	0.1
0.5	0.5	0.3	0.7	0.5	0.2	0.5	0.4	0.5		0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1
72.4	68.9	63.9	76.0	76.7	80.5	70.2	58.4	53.1	107-109	47.3	40.0	40.1	41.9	36.0	37.7	34.8	36.9
175.2	158.9	140.7	159.7	173.4	203.1	190.5	163.2	170.7		184.6	156.4	143.7	150.4	112.3	88.2	78.3	57.8
1.3	0.5	0.4	0.3	0.5	0.9	1.1	0.2	0.3	36	0.7	0.3	0.4	2.0	0.4	1.2	2.1	0.3
9.1	2.6	2.7	2.7	3.1	8.8	9.9	1.3	2.4		7.3	4.7	6.2	20.8	7.3	14.3	31.8	10.5
2.7	3.1	3.6	2.1	2.5	1.9	1.4	1.5	1.7	58	1.7	1.3	1.0	1.0	0.9	0.9	0.8	0.6
**	**	**	**	**	**	**	**	**		**	**	**	**	**	5.2	3.6	4.0
**	**	**	**	**	**	**	**	**	39c	0.1	0.1	0.0	0.0	0.0	-0-	0.0	0.0
4.7	3.4	3.6	3.9	5.2	3.0	2.0	1.7	0.9	8	0.2	0.2	0.3	0.2	0.2	0.2	0.5	0.4
218.2	192.2	213.8	275.4	445.4	286.3	274.0	232.0	190.9		263.3	145.8	98.1	92.0	153.7	136.3	79.1	49.4
0.1	0.0	0.0	-0-	0.0	0.0	-0-	0.0	-0-	6	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
23.0	4.1	3.2	1.1	1.1	5.4	11.7	12.3	4.8		2.1	1.3	0.8	0.9	0.2	0.2	0.1	0.0
62.4	55.5	53.7	53.1	52.3	51.7	50.8	46.9	45.7	13-22	46.2	43.7	41.1	42.7	41.0	40.4	36.8	33.7
135.6	135.3	118.3	125.2	127.1	108.5	115.4	104.5	98.2		108.4	118.5	119.1	115.1	104.4	81.7	82.0	94.5
**	**	**	**	**	**	**	**	**	26a	0.3	0.1	0.0	0.0	0.1	0.1	0.1	0.1
1.6	1.7	2.2	1.7	0.9	1.2	1.4	5.8	6.1		3.4	1.3	0.8	0.7	1.2	1.7	1.2	1.5
1.7	1.6	1.4	1.6	1.1	0.9	0.7	0.7	1.3	1	0.4	0.3	0.2	0.1	0.2	0.1	0.1	0.1
10.5	13.5	9.9	14.0	9.5	7.0	6.4	6.3	11.0		3.9	3.5	2.9	1.6	1.3	1.1	1.3	1.7
0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.1	5	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1
1.6	0.9	1.2	1.3	1.8	1.1	1.4	2.7	3.0		2.0	2.7	3.4	4.0	4.2	4.2	6.0	6.7
2.9	2.9	1.0	3.9	2.7	1.9	1.9	2.1	2.0	9	0.8	1.1	1.2	1.3	0.6	0.7	0.4	0.5
141.9	152.3	82.9	197.5	141.9	129.7	100.6	192.4	163.8		81.1	97.0	148.8	98.2	41.9	53.2	67.6	58.3
0.6	0.5	0.2	0.2	0.6	0.3	0.3	0.2	0.1	25	0.2	0.2	0.1	0.0	0.1	0.1	0.1	0.0
243.5	215.8	178.8	192.6	177.7	165.2	203.6	183.6	200.6		218.6	242.3	260.7	284.2	295.9	351.2	472.8	389.9
14.0	13.0	12.4	13.6	12.8	13.0	12.1	11.6	10.5	30	12.8	12.0	10.6	11.2	11.0	10.3	9.3	8.2
257.7	251.2	172.4	224.2	200.4	213.5	309.0	360.4	357.7		278.0	295.6	362.8	371.7	329.8	280.7	295.2	235.5

† Other diseases of the thyroid glands allocated to International List number 60b in the 1920 revision. Under the 1929 and 1939 revisions other diseases of the thyroid glands allocated to International List numbers 66c,d,e and 63c,d,e respectively.

‡ Amebiasis carriers included in the dysentery group for 1945 and 1946.

§ The regulation requiring the reporting of cases of Rheumatic Fever in downstate Illinois only, went into effect July 1, 1943.

** Not available.

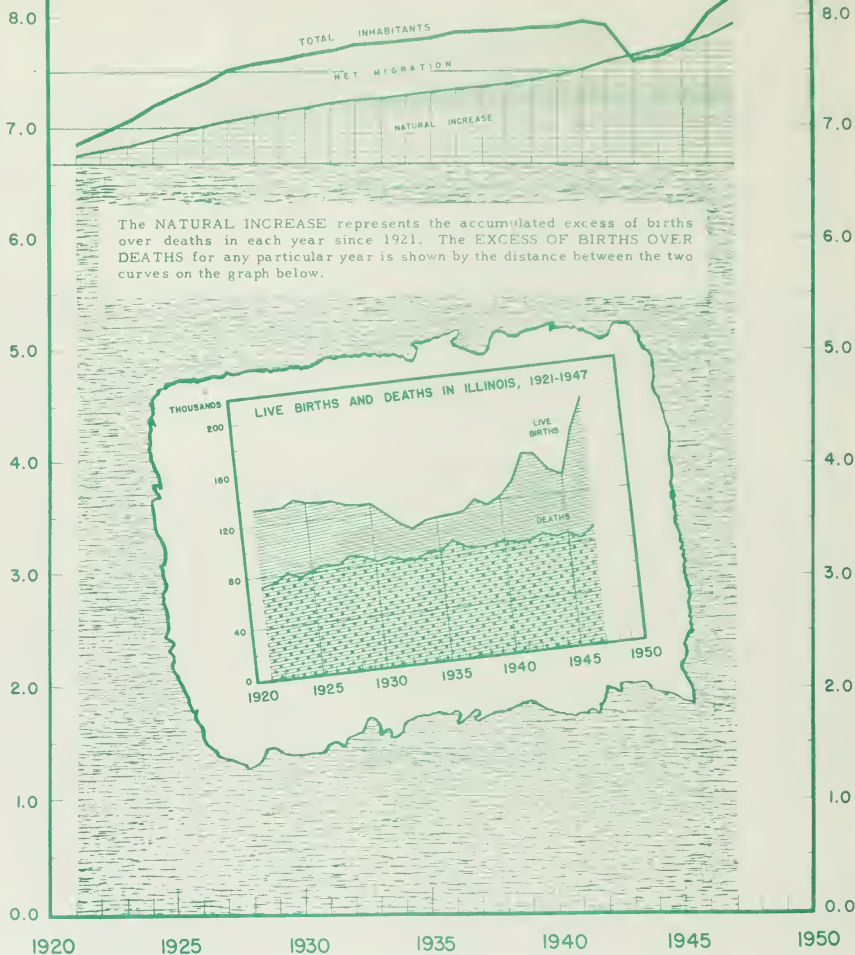
†† Syphilitic aneurysm was allocated to diseases of the circulatory system in the 1920 and 1929 revisions of the International List. In the 1939 revision syphilitic aneurysm was allocated to International List number 30d.

‡‡ Provisional figures.

MILLIONS

MILLION

ILLINOIS' POPULATION, 1920-1947

**HEALTH STATISTICS BULLETIN**

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
 SPRINGFIELD, ILLINOIS
 Return postage guaranteed

HEALTH STATISTICS BULLETIN

State of Illinois
Dwight H. Green
Governor



Department of Public Health
Roland R. Cross, M. D.
Director

Division of Vital Statistics & Records--- O. K. Sagen, Ph.D., Chief

1948 Series, No. 1

Springfield, Illinois

September 10, 1948

FEWER BABIES AND FEWER DEATHS IN FIRST QUARTER 1948

GENERAL MORTALITY IS LOWER

Mortality in the first three months of 1948 was unusually low. There were only 11.5 deaths among every 1,000 inhabitants of the state. The diminution in mortality from 1947 levels is largely accounted for by the circumstance that pneumonia and influenza were somewhat less prevalent during the winter while the toll from heart disease also diminished.

TABLE A - BIRTH AND DEATH RATES FOR THE FIRST THREE MONTHS

	1948	1947
LIVE BIRTHS per 1,000 population	20.9	23.2
DEATHS per 1,000 population	11.5	12.3

Note: Rates are expressed as their ANNUAL equivalents, based on estimates of Illinois' population as follows: February 15, 1948--8,280,458; February 15, 1947--8,148,795.

BIRTHS BELOW 1947 LEVELS

Births in Illinois continued to recede from the high levels established in the boom that began

late in 1946. There were 43,176 live births recorded during the first quarter of 1948 for a rate of 20.9 per 1,000 population. This is 10 per cent below the rate of 23.2 for the first three months of 1947. The present birth rate, however, is still well above those of years prior

to 1947 as may be seen by comparing the present birth rate of 20.9 with the rate of 15.5 for the first three months of 1946. It is now believed that birth rates will continue to fall until they become stabilized at the levels prevailing in the early 1940's.

DEATH RATE FOR NEWBORN AT NEW LOW

There were fewer than 18 stillbirths per thousand live births during the first quarter of 1948, a new all time low. The mortality among babies less

than one month old and the death rate from premature birth also reached new all-time lows during the period.

TABLE B - FETAL, INFANT, AND MATERNAL MORTALITY RATES, FIRST THREE MONTHS

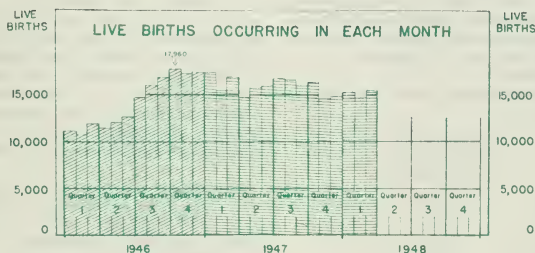
	Per 1,000 live births	1948	1947
FETAL MORTALITY (Stillbirths)	17.6	19.4	
NEONATAL MORTALITY (under 1 month)	19.2	22.9	
INFANT MORTALITY (under 1 year)	28.9	33.1	
Premature birth	9.5	10.4	
MATERNAL MORTALITY	1.1	1.2	

An examination of the regional distribution of deaths among infants shows that this progress was not uniform throughout the state. Neonatal mortality (under 1 month) was highest among residents of the Southern Region (Region 6) where 21 newborn infants died out of each one thousand babies born

alive. The lowest neonatal death rate was among residents of the Peoria Metropolitan Area (Region 3) where only 14 infants under one month of age died for every thousand babies born alive. The principal cause of early death among babies is prematurity. For the

state as a whole 9.5 babies under one year of age died from prematurity out of every thousand live born. The highest rate, 10.1 per thousand live births, was found in the Chicago Metropolitan Area which includes the counties of Cook, DuPage, Kane, Lake, and Will. The lowest rate, 7.1 per thousand live births, was found in the Peoria Metropolitan Area which includes the counties of Peoria and Tazewell.

Although the maternal death rate for the state



has remained near the low of 10 per ten thousand live births established in 1947, some portions of the state had relatively high rates in the first three months of 1948. Seventeen mothers of the Central Area (Region 4) died for every 10 thousand babies born alive. Mortality among mothers of new born babies in the Central Area was over four times as heavy as for mothers in the Northern Area (Region 2) of the state.

The maternal death rates for each region are:

Region of residence	Deaths per 1,000 live births
1	1.0
2	0.4
3	1.4
4	1.7
5	1.1
6	0.6

C.D. MORTALITY MUCH LOWER IN 1948

Almost all of the reduction in the number of deaths from the communicable diseases in the first quarter of 1948 as compared to the same period last year is accounted for by lower tuberculosis mortality and the absence of any major outbreak of upper respiratory diseases.

The 32.9 tuberculosis deaths per 100,000 population in the period is 3.8 per cent below the rate for the first quarter of 1947. All age groups except the very young and the very old shared in this savings of lives. There were 16 deaths from tuberculosis among children under five years of age in the period as compared to 8 deaths in the first quarter of 1947, and there were 135 deaths among persons 65 years of age or over in the first three months of 1948 as compared to 104 deaths in the same period of 1947.

The Chicago Metropolitan Area (Cook, Du Page, Kane, Lake, and Will counties) and the East St. Louis Metropolitan Area (Madison and St. Clair counties) had more than their share of the tuberculosis deaths in the state. There were more than twice as many tuberculosis deaths among the residents of these two regions as among the residents of the Peoria Metropolitan Area (Region 3) or of the Central Area (Region 4).

The tuberculosis death rates for each region in the state are as follows:

Region of residence	Deaths per 100 thousand inhabitants
1	38.8
2	33.5
3	18.0
4	17.0
5	38.4
6	21.7

Note: Rates are expressed as their annual equivalents.

The absence of any major outbreak of influenza and pneumonia in the early months of 1948 held the death toll from upper respiratory diseases at 30 per cent below the level of the two preceding years. The saving of lives was shared by persons at all stages of life, from the very young to the aged.

There were no deaths from scarlet fever and there was some reduction in the number of deaths from diphtheria and from whooping cough in the current period. There was only one death from diphtheria as compared to four deaths in the same period of 1947 and thirteen deaths in the corresponding period of 1946. Although the seven 1948 deaths from whooping cough represents a decided improvement over the fourteen deaths recorded in the first three months of 1947, it is only one less than the eight deaths from this cause during the first quarter of 1946.

The current measles epidemic was responsible for 58 deaths during the first quarter of 1948. As in previous epidemics of this disease, most of the deaths occurred among the very young. Sixty per cent of the measles deaths were at ages less than five years.

Deaths from chickenpox, usually an infrequent cause of death, were somewhat higher during the period. There were three deaths from this cause in the first quarter of 1948 as compared to one death in the corresponding period of 1947.

TABLE C - MORTALITY FROM THE TEN LEADING CAUSES, FIRST THREE MONTHS

Cause	Deaths per 100 thousand inhabitants	
	1948	1947
1. HEART DISEASE	445.6	470.0
2. CANCER	159.4	161.1
3. CEREBRAL HEMORRHAGE*	91.9	99.6
4. NEPHRITIS	65.2	72.4
5. ALL ACCIDENTS	59.6	67.4
6. INFLUENZA AND PNEUMONIA	41.8	61.3
7. DIABETES	34.9	37.1
8. TUBERCULOSIS	32.9	34.2
9. PREMATURE BIRTH	19.9	24.0
10. ARTERIOSCLEROSIS	16.3	20.4

*Intracranial lesions of vascular origin

Note: Rates are expressed as their annual equivalents.

CANCER DEATH RATE LOWER

The rise in cancer deaths during the first quarter of 1948 did not keep pace with the increase in population. Thus, while there were more cancer deaths in the period, the cancer death rate dropped to 159.4 per 100,000 population, a drop of 1.1 per cent. This arises from the fact that the many babies born during the recent boom in births have made a substantial increase in population at the age where cancer is uncommon.

NO REAL DECREASE IN HEART MORTALITY

The 1948 heart disease mortality appears very favorable as compared to 1947. This is more apparent than real because:

- 1) a large natural increase in population has depressed all rates at the higher age levels; and
- 2) there were unusually many deaths from heart disease during the first three months of 1947, the period against which the comparison is made.

There is no reason to believe that the threat of fatal heart disease is any greater or any less than

it has been in recent years.

The mortality rates for fatal motor vehicle and home accidents were somewhat below the corresponding rates for the first three months of 1947. The death rate for fatal occupational accidents this year is actually somewhat higher if we discount the March, 1947 mine catastrophe that claimed 111 lives. The greatest hazards to life are the innumerable small accidents of every kind that occur everyday of the year. A tornado on March 19, 1948 caused 36 deaths and made a substantial increase in the deaths from accidents classified as "public." Nevertheless, even when we exclude this dramatic disaster we find that fatal public accidents are 13 per cent above those of last year.

A REVIEW OF POLIOMYELITIS IN ILLINOIS

In a little over a quarter of a century there have been six major epidemics of poliomyelitis in Illinois. The epidemic years were 1921, 1927, 1931, 1943, 1945, and 1946--the latest epidemic being the worst. There may be some difference of opinion as to what should be considered an epidemic year, because there is disagreement as to what yardstick should be used to define an epidemic of polio. However, in this discussion we are considering it an epidemic year when the crude death rate for polio exceeded one per 100,000 inhabitants.

Using one per 100,000 as a criterion, pointedly calls attention to the fact that polio need not be feared as a cause of death. Meningococcal meningitis, about which the general public is quite complacent, has exacted a far greater death toll. Furthermore polio as a killer cannot begin to compare with the common communicable diseases of childhood, such as diphtheria, measles, scarlet fever, and whooping cough. The dramatic element in polio and its fearful consequence is the crippling of its victims. It has been estimated that 20 per cent of all orthopedic handicaps at ages under 21 can be attributed to polio. Even at that, only a very small proportion of the population suffers paralytic poliomyelitis.

The proportion of people attacked by polio is reflected in the case report rates. However, case rates are misleading as they stand, because of the year-after-year increased recognition of the disease. This is particularly more apparent in recent years when we find so many reports of "preparalytic" polio that had little if any recognition in earlier years. The trend is shown by the fact that the proportion of deaths among reported cases has fallen off rapidly. In 1921, over 22 per cent of the reported cases died, whereas in 1947, only 3 per cent of the reported cases resulted in death. This marked change in the picture we have of polio

TABLE D - ACCIDENTAL DEATHS FOR THE FIRST THREE MONTHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1948	1947	1948	1947
ALL ACCIDENTS	1,390	1,442	67.2	70.8
Motor vehicle	416	427	20.2	21.0
Home accidents	537	538	25.9	26.4
Occupational	125	227	6.0	11.1
Public accidents	312	250	15.1	12.3

Note: Rates are expressed as their annual equivalents. The figures in this table have been adjusted to include coroner's cases received after the completion of the detailed tables in this report.

* * *

is too great to be ascribed to a broader attack by the disease accompanied by less fatality. In fact, the view is now advanced that "subclinical" polio might even be as common as measles; but only a relatively small proportion of the subclinical cases advance far enough to be recognized as polio, a still smaller number progressing far enough to cause paralysis, and a yet smaller number terminating in death. The official statistics on polio are not detailed enough or precise enough to either prove or disprove the existence of such widespread minimal poliomyelitis. But what evidence there is in official statistics tends to confirm rather than to deny that view.

The reported cases and deaths from polio since 1921 are pictured on the back page. To provide a base for comparison there has been plotted a so-called "expected" number of cases (and deaths). This "expected" number is obtained by taking the average rate over the entire period from 1921 to 1947 and applying it against the population in the given year. This device reflects the gradual rise in reported cases, which, as already stated, is largely attributable to increased recognition of the disease. Another factor that affects the true as well as the apparent incidence of the disease is the changing age composition of the population.

Table E shows the shift in the age composition of fatal poliomyelitis from 1927 to 1946. The principal point illustrated is the decline in the proportion of deaths among children under five years of age and the increase in the proportion of deaths among adults. In the 1927 polio epidemic 36 per cent of the deaths were among children under five years of age. In the 1946 epidemic this proportion dropped to 14 per cent. Deaths among persons over twenty years of age was responsible for 15 per cent of all polio deaths in the 1927 polio epidemic. In the 1946 epidemic the ratio was 32 per cent.

TABLE E - AGE SELECTION OF POLIO DEATHS IN CERTAIN EPIDEMIC YEARS

YEAR	TOTAL	PERCENT OF DEATHS AT EACH STAGE OF LIFE						
		0-4 yrs.	5-9 yrs.	10-14 yrs.	15-19 yrs.	20-29 yrs.	30-39 yrs.	40 & over
1927	100.0	35.9	23.3	19.4	6.8	11.7	1.9	1.0
1931	100.0	28.5	20.6	22.5	13.7	9.8	2.9	2.0
1937	100.0	23.3	16.7	20.0	17.8	10.0	5.5	6.7
1943	100.0	9.9	29.6	30.3	13.2	10.5	3.9	2.6
1945	100.0	11.8	26.9	23.6	9.7	9.7	9.7	8.6
1946	100.0	14.0	21.1	18.7	14.6	17.0	8.8	5.8

TABLE I. LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE,
FIRST THREE MONTHS, 1948
(All registrations within the State)

County of Occurrence	Estimated Civilian Population*	Live Births	Still-births	Deaths	County of Occurrence	Estimated Civilian Population*	Live Births	Still-births	Deaths
Entire State	8,280,458	43,276	761	23,724	La Salle	101,735	563	12	278
Chicago	3,609,003	17,583	356	9,992	Lawrence	21,416	37	2	40
Downstate	4,671,455	25,693	405	13,732	Lee	35,506	207	2	121
					Livingston	39,496	183	1	133
Adams	67,643	402	5	230	Logan	30,238	151	2	134
Alexander	26,516	192	5	96	McDonough	27,513	198	3	84
Bond	14,678	3	--	16	McHenry	38,265	192	2	105
Boone	15,547	121	1	69	McLean	76,379	490	10	228
Brown	8,031	10	--	21	Macon	88,698	699	12	256
Bureau	38,435	187	2	114	Macoupin	47,722	88	3	115
Calhoun	8,080	7	--	14	Madison	156,997	943	13	445
Carroll	18,308	95	--	53	Marion	49,483	291	3	129
Cass	16,831	102	3	49	Marshall	13,359	2	--	17
Champaign	73,130	649	8	203	Mason	15,637	6	--	26
Christian	39,637	195	2	118	Massac	15,273	49	2	46
Clark	18,925	13	--	48	Menard	10,780	9	--	17
Clay	19,122	28	--	25	Mercer	17,883	4	--	33
Clinton	23,381	106	3	54	Monroe	12,837	2	--	22
Coles	39,806	267	4	127	Montgomery	35,329	231	2	141
Cook	4,314,907	21,679	408	12,250	Morgan	37,543	214	1	200
Crawford	21,669	119	2	65	Moultrie	13,588	9	1	29
Cumberland	11,605	7	1	16	Ogle	30,351	89	2	56
De Kalb	35,332	272	5	109	Peoria	161,589	1,242	18	525
De Witt	18,632	68	2	43	Perry	24,097	126	3	60
Douglas	17,898	98	2	41	Piatt	14,844	43	--	33
Du Page	109,107	477	7	247	Pike	25,494	116	2	65
Edgar	24,871	115	2	67	Pope	7,869	16	--	9
Edwards	9,068	14	--	19	Pulaski	16,175	22	--	29
Effingham	22,340	252	4	77	Putnam	5,359	--	--	3
Fayette	29,280	131	4	67	Randolph	34,604	155	1	76
Ford	15,198	74	1	32	Richland	17,398	112	3	63
Franklin	55,297	156	2	129	Rock Island	119,550	809	13	392
Fulton	45,729	238	3	125	St. Clair	176,418	1,062	21	526
Gallatin	11,477	34	--	19	Saline	39,359	245	6	128
Greene	20,579	98	--	38	Sangamon	123,407	840	18	414
Grundy	18,855	92	2	39	Schuyler	11,412	25	1	30
Hamilton	13,244	62	1	24	Scott	8,224	4	--	9
Hancock	26,725	43	--	56	Shelby	26,330	82	2	69
Hardin	7,754	28	1	15	Stark	8,927	--	--	10
Henderson	9,018	6	--	8	Stephenson	41,944	311	6	158
Henry	45,071	262	4	145	Tazewell	60,760	259	4	119
Iroquois	32,685	156	3	75	Union	21,738	92	2	113
Jackson	39,033	235	2	116	Vermilion	90,471	510	9	296
Jasper	13,233	8	--	18	Wabash	14,061	26	1	50
Jefferson	35,035	230	5	80	Warren	21,689	148	3	68
Jersey	13,824	13	1	25	Washington	15,825	7	1	32
Jo Daviess	20,262	11	--	54	Wayne	21,881	50	1	42
Johnson	10,589	17	1	21	White	20,226	51	1	41
Kane	137,060	1,155	15	552	Whiteside	44,706	275	4	101
Kankakee	63,374	352	5	423	Will	119,736	688	8	331
Kendall	11,177	1	--	17	Williamson	53,428	255	3	148
Knox	54,231	328	5	145	Winnebago	127,672	874	16	357
Lake	127,691	958	20	344	Woodford	19,317	8	--	34

* Estimated population as of February 15, 1948.

TABLE II. ALL DEATHS IN ILLINOIS ACCORDING TO CAUSE, FIRST THREE MONTHS, 1948

(All registrations within the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	23,724	829	1,252	1,501	203	377	1,819	7,214	12,604	5,137
SELECTED CAUSES OF DEATH	22,347	808	1,157	1,363	152	313	1,592	6,815	12,107	4,813
Diseases of infancy, total	951	764	894	917	12	6	7	9	--	75
Premature birth	412	400	412	412	xxx	xxx	xxx	xxx	xxx	21
Maternal causes, total	49	xxx	xxx	xxx	--	15	32	2	xxx	5
Puerperal septicemia	13	xxx	xxx	xxx	--	2	11	--	xxx	2
Puerperal toxemia	5	xxx	xxx	xxx	--	--	5	--	xxx	--
Communicable diseases, total	1,836	32	175	276	46	63	321	572	558	539
Acute respiratory diseases, total	865	30	149	197	15	2	74	213	364	180
Influenza	63	--	10	18	--	--	7	9	29	16
Pneumonia	802	30	139	179	15	2	67	204	335	164
Diphtheria	1	--	--	1	--	--	--	--	--	1
Dysentery—all forms	4	--	1	1	--	--	1	--	2	1
Encephalitis—infectious	7	--	2	2	1	--	--	2	2	2
Measles	58	--	5	35	17	2	4	--	--	9
Meningitis—meningococcus	21	--	4	10	3	1	2	3	2	2
Pertussis (whooping cough)	7	--	4	7	--	--	--	--	--	2
Poliomyelitis	1	--	--	--	--	--	1	--	--	--
Rheumatic fever	9	--	--	--	3	2	2	2	--	1
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	160	2	3	3	--	1	25	84	47	73
Tuberculosis—all forms	682	--	5	16	6	53	207	265	135	260
Pulmonary tuberculosis	616	--	1	3	4	47	186	248	128	253
Other communicable diseases	21	--	2	4	1	2	5	3	6	8
Accidents—all forms, total	1,234	3	23	61	51	110	200	281	530	261
Motor vehicle	345	--	--	7	18	63	88	100	69	94
Home	500	3	22	47	19	11	32	73	317	89
Occupational	108	xxx	xxx	xxx	--	10	40	44	14	36
Public	281	--	1	7	14	26	40	64	130	42
Arteriosclerosis	338	xxx	xxx	xxx	--	--	--	21	317	158
Cancer	3,300	--	--	8	7	19	267	1,378	1,621	584
Diabetes	722	--	1	2	5	6	24	254	430	130
Diseases of digestive system, total	982	7	57	79	15	11	129	385	363	121
Appendicitis	67	--	--	3	7	3	12	21	21	2
Cirrhosis of the liver	281	1	5	6	1	1	51	127	95	45
Diarrhea and enteritis	73	5	40	50	--	2	9	5	7	13
Hernia and intestinal obstruction	181	--	7	10	2	1	10	69	89	15
Ulcers of stomach or duodenum	177	--	--	--	1	1	23	81	71	19
Goiter—exophthalmic	46	--	--	--	--	3	6	21	16	8
Heart disease, total	9,225	--	2	8	12	30	398	2,897	5,878	2,056
Coronary	2,193	--	--	--	2	4	97	925	1,165	557
Chronic rheumatic	441	--	--	--	8	13	72	186	162	87
Homicide	78	2	3	3	--	15	42	14	4	9
Intracranial lesions of vascular origin	1,903	--	2	5	1	8	47	512	1,329	495
Nephritis	1,349	--	--	4	3	18	64	356	904	296
Prostatic disease	135	--	--	--	--	--	--	20	115	15
Suicide	199	xxx	xxx	xxx	--	9	55	93	42	61
ALL OTHER KNOWN CAUSES	1,053	17	82	121	39	37	159	298	398	250
CAUSE AS YET UNASSIGNED	324	4	13	17	12	27	68	101	99	74

ENTIRE STATE--1940 population: Total 7,897,241; Urban 5,809,650; Rural 2,087,591.

For a detailed discussion of the 6 principal geographic Regions of the State see Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1944."

TABLE III. DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, FIRST THREE MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH									IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over		
DEATHS, all ages—all causes	13,407	487	696	807	94	203	1,168	4,798	6,336	965	
SELECTED CAUSES OF DEATH	12,710	474	647	734	70	172	1,027	4,552	6,155	918	
Diseases of infancy, total	542	443	511	521	6	4	6	5	--	41	
Premature birth	258	249	258	258	xxx	xxx	xxx	xxx	xxx	21	
Maternal causes, total	24	xxx	xxx	xxx	--	10	12	2	xxx	1	
Puerperal septicemia	5	xxx	xxx	xxx	--	1	4	--	xxx	--	
Puerperal toxemia	3	xxx	xxx	xxx	--	--	3	--	xxx	--	
Communicable diseases, total	1,083	26	94	137	27	46	220	390	263	71	
Acute respiratory diseases, total	491	25	83	108	10	1	58	149	165	38	
Influenza	13	--	1	6	--	--	2	2	3	2	
Pneumonia	478	25	82	102	10	1	56	147	162	36	
Diphtheria	1	--	--	1	--	--	--	--	--	1	
Dysentery—all forms	2	--	1	1	--	--	--	--	1	1	
Encephalitis—infectious	4	--	1	1	--	--	--	2	1	--	
Measles	11	--	--	6	5	--	--	--	--	--	
Meningitis—meningococcus	15	--	3	6	3	1	2	2	1	1	
Pertussis (whooping cough)	1	--	1	1	--	--	--	--	--	--	
Poliomyelitis	1	--	--	--	--	--	1	--	--	--	
Rheumatic fever	7	--	--	--	3	2	1	1	--	--	
Scarlet fever	--	--	--	--	--	--	--	--	--	--	
Syphilis	72	1	1	1	--	--	12	36	23	14	
Tuberculosis—all forms	467	--	4	11	5	41	142	198	70	16	
Pulmonary tuberculosis	423	--	1	2	3	36	129	187	66	13	
Other communicable diseases	11	--	--	1	1	1	4	2	2	--	
Accidents—all forms, total	570	2	11	26	18	38	76	150	262	48	
Motor vehicle	133	--	--	1	5	18	28	50	31	11	
Home	235	2	11	23	8	7	16	42	139	25	
Occupational	41	xxx	xxx	xxx	--	4	10	20	7	5	
Public	161	--	--	2	5	9	22	38	85	7	
Arteriosclerosis	110	xxx	xxx	xxx	--	--	--	10	100	24	
Cancer	1,985	--	--	5	3	11	171	911	884	101	
Diabetes	411	--	1	2	2	4	8	172	223	27	
Diseases of digestive system, total	576	2	27	33	7	6	94	252	184	30	
Appendicitis	37	--	--	2	3	1	9	10	12	2	
Cirrhosis of the liver	185	--	4	5	1	--	43	90	46	7	
Diarrhea and enteritis	29	1	16	18	--	1	5	3	2	3	
Hernia and intestinal obstruction	94	--	4	5	1	1	6	42	39	7	
Ulcers of stomach or duodenum	121	--	--	--	1	1	13	58	48	5	
Goiter—exophthalmic	32	--	--	--	--	3	3	17	9	2	
Heart disease, total	5,479	--	--	1	6	16	298	2,010	3,148	448	
Coronary	1,048	--	--	--	--	1	54	519	474	84	
Chronic rheumatic	269	--	--	--	6	8	56	128	71	13	
Homicide	55	1	2	2	--	15	29	8	1	--	
Intracranial lesions of vascular origin	914	--	1	3	--	5	24	321	561	66	
Nephritis	747	--	--	4	1	11	50	242	439	45	
Prostatic disease	72	--	--	--	--	--	--	14	58	4	
Suicide	110	xxx	xxx	xxx	--	3	36	48	23	10	
ALL OTHER KNOWN CAUSES	522	10	45	68	17	16	97	178	145	35	
CAUSE AS YET UNASSIGNED	175	3	4	5	7	15	44	68	36	12	

Chicago Metropolitan Area (Region I)--1940 population: Total 4,532,332; Urban 4,256,601; Rural 275,731.

Counties: Cook, Du Page, Kane, Lake and Will.

(See maphead for map of state by Regions.)

TABLE IV. DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, FIRST THREE MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	2,576	77	124	154	32	46	165	619	1,559	1,225
SELECTED CAUSES OF DEATH	2,423	74	115	140	23	38	141	584	1,496	1,147
Diseases of infancy, total	97	71	89	94	2	1	--	--	--	47
Premature birth	36	36	36	36	xxx	xxx	xxx	xxx	xxx	13
Maternal causes, total	2	xxx	xxx	xxx	--	--	2	--	xxx	2
Puerperal septicemia	--	xxx	xxx	xxx	--	--	--	--	xxx	--
Puerperal toxemia	--	xxx	xxx	xxx	--	--	--	--	xxx	--
Communicable diseases, total	225	3	17	27	3	5	34	66	90	139
Acute respiratory diseases, total	112	2	13	18	--	1	4	27	62	62
Influenza	10	--	1	2	--	--	3	2	3	3
Pneumonia	102	2	12	16	--	1	1	25	59	59
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	2	--	--	--	--	--	1	--	1	1
Encephalitis—infectious	2	--	1	1	1	--	--	--	--	1
Measles	5	--	1	2	1	1	1	--	--	2
Meningitis—meningococcus	1	--	--	--	--	--	--	1	--	1
Pertussis (whooping cough)	2	--	1	2	--	--	--	--	--	1
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	1	--	--	--	--	--	1	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	31	1	1	1	--	--	6	20	4	23
Tuberculosis—all forms	68	--	--	2	1	3	21	18	23	47
Pulmonary tuberculosis	64	--	--	1	1	3	20	17	22	47
Other communicable diseases	1	--	--	1	--	--	--	--	--	1
Accidents—all forms, total	146	--	7	10	8	16	21	23	67	64
Motor vehicle	48	--	--	--	4	11	10	10	13	22
Home	71	--	7	10	2	2	4	8	44	30
Occupational	10	xxx	xxx	xxx	--	1	6	2	1	5
Public	17	--	--	--	2	2	1	3	9	7
Arteriosclerosis	46	xxx	xxx	xxx	--	--	--	3	43	24
Cancer	339	--	--	2	3	3	23	103	205	132
Diabetes	78	--	--	--	--	1	3	18	56	38
Diseases of digestive system, total	90	--	1	5	4	2	6	35	38	45
Appendicitis	9	--	--	--	2	2	--	2	3	2
Cirrhosis of the liver	19	--	--	--	--	--	--	12	7	13
Diarrhea and enteritis	8	--	1	4	--	--	2	1	1	6
Hernia and intestinal obstruction	14	--	--	--	--	--	1	4	9	9
Ulcers of stomach or duodenum	14	--	--	--	--	--	2	5	7	2
Goiter—exophthalmic	2	--	--	--	--	--	--	1	1	--
Heart disease, total	986	--	--	--	2	3	37	243	701	482
Coronary	309	--	--	--	--	--	17	108	184	120
Chronic rheumatic	40	--	--	--	1	2	6	11	20	19
Homicide	4	--	--	--	--	--	2	1	1	2
Intracranial lesions of vascular origin	254	--	1	2	1	2	5	47	197	93
Nephritis	113	--	--	--	--	2	3	25	83	61
Prostatic disease	13	--	--	--	--	--	--	1	12	5
Suicide	28	xxx	xxx	xxx	--	3	5	18	2	13
ALL OTHER KNOWN CAUSES	125	3	8	12	7	7	21	28	50	66
CAUSE AS YET UNASSIGNED	28	--	1	2	2	1	3	7	13	12

Northern Area (Region 2)--1940 population: Total 782,703; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, De Kalb, Grundy, Henry, Jo Daviess, Kankakee, Kendall, La Salle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.

TABLE V. DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA, FIRST THREE MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH									IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over		
DEATHS, all ages—all causes	618	20	30	34	2	13	36	167	366	263	
SELECTED CAUSES OF DEATH	583	20	27	30	2	11	33	158	349	248	
Diseases of infancy, total	25	19	22	23	--	--	--	2	--	13	
Premature birth	11	10	11	11	xxx	xxx	xxx	xxx	xxx	7	
Maternal causes, total	2	xxx	xxx	xxx	--	--	2	--	xxx	--	
Puerperal septicemia	--	xxx	xxx	xxx	--	--	--	--	xxx	--	
Puerperal toxemia	--	xxx	xxx	xxx	--	--	--	--	xxx	--	
Communicable diseases, total	47	--	2	4	--	1	7	14	21	30	
Acute respiratory diseases, total	29	--	2	3	--	--	2	7	17	21	
Influenza	1	--	1	1	--	--	--	--	--	1	
Pneumonia	28	--	1	2	--	--	2	7	17	20	
Diphtheria	--	--	--	--	--	--	--	--	--	--	
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--	
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--	
Measles	1	--	--	1	--	--	--	--	--	--	
Meningitis—meningococcus	--	--	--	--	--	--	--	--	--	--	
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--	
Poliomyelitis	--	--	--	--	--	--	--	--	--	--	
Rheumatic fever	--	--	--	--	--	--	--	--	--	--	
Scarlet fever	--	--	--	--	--	--	--	--	--	--	
Syphilis	7	--	--	--	--	--	2	3	2	5	
Tuberculosis—all forms	10	--	--	--	--	1	3	4	2	4	
Pulmonary tuberculosis	9	--	--	--	--	1	3	3	2	4	
Other communicable diseases	--	--	--	--	--	--	--	--	--	--	
Accidents—all forms, total	48	--	--	--	2	9	9	10	18	25	
Motor vehicle	16	--	--	--	--	8	4	3	1	6	
Home	21	--	--	--	2	1	1	3	14	14	
Occupational	4	xxx	xxx	xxx	--	--	3	1	--	2	
Public	7	--	--	--	--	--	1	3	3	3	
Arteriosclerosis	23	xxx	xxx	xxx	--	--	--	1	22	16	
Cancer	75	--	--	--	--	--	2	26	47	27	
Diabetes	22	--	--	--	--	--	1	10	11	8	
Diseases of digestive system, total	23	1	3	3	--	--	1	7	12	7	
Appendicitis	--	--	--	--	--	--	--	--	--	--	
Cirrhosis of the liver	7	1	1	1	--	--	--	1	5	1	
Diarrhea and enteritis	2	--	2	2	--	--	--	--	--	--	
Hernia and intestinal obstruction	5	--	--	--	--	--	--	2	3	1	
Ulcers of stomach or duodenum	4	--	--	--	--	--	1	3	--	1	
Goiter—exophthalmic	--	--	--	--	--	--	--	--	--	--	
Heart disease, total	229	--	--	--	--	1	6	67	155	85	
Coronary	80	--	--	--	--	--	1	34	45	32	
Chronic rheumatic	17	--	--	--	--	--	2	9	6	2	
Homicide	1	--	--	--	--	--	--	1	--	1	
Intracranial lesions of vascular origin	36	--	--	--	--	--	3	8	25	19	
Nephritis	48	--	--	--	--	--	1	10	37	16	
Prostatic disease	2	--	--	--	--	--	--	1	1	--	
Suicide	2	xxx	xxx	xxx	--	--	1	1	--	1	
ALL OTHER KNOWN CAUSES	32	--	3	4	--	1	3	8	16	13	
CAUSE AS YET UNASSIGNED	3	--	--	--	--	1	--	1	1	2	

Peoria Metropolitan Area (Region 3)--1940 population: Total 211,736; Urban 139,211; Rural 72,525.

Counties: Peoria and Tazewell.

(See map for map of State by Regions.)

TABLE VI. DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, FIRST THREE MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	3,925	127	209	271	43	40	212	845	2,513	1,968
SELECTED CAUSES OF DEATH	3,673	126	195	250	31	32	187	784	2,388	1,831
Diseases of infancy, total	151	120	144	147	2	1	--	1	--	72
Premature birth	61	61	61	61	xxx	xxx	xxx	xxx	xxx	28
Maternal causes, total	12	xxx	xxx	xxx	--	2	10	--	xxx	8
Puerperal septicemia	4	xxx	xxx	xxx	--	--	4	--	xxx	3
Puerperal toxemia	2	xxx	xxx	xxx	--	--	2	--	xxx	1
Communicable diseases, total	255	2	32	67	11	6	23	48	100	112
Acute respiratory diseases, total	126	2	27	37	3	--	3	14	69	61
Influenza	15	--	3	4	--	--	1	1	9	7
Pneumonia	111	2	24	33	3	--	2	13	60	54
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	1	--	--	--	--	--	--	--	1	--
Measles	35	--	2	23	8	1	3	--	--	11
Meningitis—meningococcus	2	--	1	2	--	--	--	--	--	1
Pertussis (whooping cough)	1	--	--	1	--	--	--	--	--	1
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	--	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	29	--	1	1	--	1	2	15	10	13
Tuberculosis—all forms	58	--	1	3	--	4	14	18	19	23
Pulmonary tuberculosis	46	--	--	--	--	3	11	14	18	21
Other communicable diseases	3	--	--	--	--	--	1	1	1	2
Accidents—all forms, total	229	1	2	11	12	14	45	43	104	126
Motor vehicle	67	--	--	5	6	9	20	18	9	34
Home	97	1	1	4	4	--	9	7	73	51
Occupational	22	xxx	xxx	xxx	--	2	7	8	5	15
Public	43	--	1	2	2	3	9	10	17	26
Arteriosclerosis	77	xxx	xxx	xxx	--	--	--	2	75	35
Cancer	506	--	--	--	1	3	32	175	295	251
Diabetes	123	--	--	--	1	--	8	28	86	63
Diseases of digestive system, total	155	2	14	20	2	--	17	45	71	70
Appendicitis	10	--	--	1	--	--	1	5	3	4
Cirrhosis of the liver	37	--	--	--	--	--	7	10	20	13
Diarrhea and enteritis	16	2	12	14	--	--	1	--	1	8
Hernia and intestinal obstruction	37	--	1	2	1	--	--	14	20	16
Ulcers of stomach or duodenum	23	--	--	--	--	--	5	7	11	14
Goiter—exophthalmic	9	--	--	--	--	--	2	3	4	5
Heart disease, total	1,455	--	2	4	2	2	25	309	1,112	729
Coronary	460	--	--	--	1	1	9	154	295	230
Chronic rheumatic	65	--	--	--	1	1	6	21	36	33
Homicide	7	1	1	1	--	--	4	2	--	4
Intracranial lesions of vascular origin	378	--	--	--	--	--	5	71	302	194
Nephritis	256	--	--	--	--	3	8	38	207	125
Prostatic disease	25	--	--	--	--	--	--	2	23	12
Suicide	35	xxx	xxx	xxx	--	1	8	17	9	25
ALL OTHER KNOWN CAUSES	205	1	12	18	11	5	19	52	100	111
CAUSE AS YET UNASSIGNED	47	--	2	3	1	3	6	9	25	26

Central Area (Region 4)--1940 population: Total 1,331,175; Urban 551,587; Rural 779,588. Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Coles, Cumberland, De Witt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Macon, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.

TABLE VII. DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA,
FIRST THREE MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	924	37	53	62	10	14	70	247	520	358
SELECTED CAUSES OF DEATH	868	36	47	54	10	12	65	238	488	342
Diseases of infancy, total	40	35	38	38	--	--	1	1	--	18
Premature birth	17	16	17	17	xxx	xxx	xxx	xxx	xxx	11
Maternal causes, total	2	xxx	xxx	xxx	--	--	2	--	xxx	--
Puerperal septicemia	1	xxx	xxx	xxx	--	--	1	--	xxx	--
Puerperal toxemia	--	xxx	xxx	xxx	--	--	--	--	xxx	--
Communicable diseases, total	72	1	5	5	1	4	16	20	26	26
Acute respiratory diseases, total	30	1	3	3	--	--	3	8	16	14
Influenza	7	--	--	--	--	--	--	4	3	2
Pneumonia	23	1	3	3	--	--	3	4	13	12
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	1	--	--	--	1	--	--	--	--	--
Meningitis—meningococcus	1	--	--	--	--	--	--	--	1	--
Pertussis (whooping cough)	1	--	1	1	--	--	--	--	--	1
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	--	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	6	--	--	--	--	--	--	3	3	1
Tuberculosis—all forms	32	--	--	--	--	4	13	9	6	10
Pulmonary tuberculosis	29	--	--	--	--	4	10	9	6	9
Other communicable diseases	1	--	1	1	--	--	--	--	--	--
Accidents—all forms, total	68	--	1	6	6	2	8	18	28	36
Motor vehicle	19	--	--	1	2	--	3	6	7	7
Home	28	--	1	2	1	1	1	5	18	19
Occupational	7	xxx	xxx	xxx	--	--	3	4	--	2
Public	14	--	--	3	3	1	1	3	3	8
Arteriosclerosis	24	xxx	xxx	xxx	--	--	--	--	24	17
Cancer	116	--	--	--	--	--	12	52	52	47
Diabetes	25	--	--	--	1	1	1	9	13	8
Diseases of digestive system, total	36	--	3	3	--	2	4	15	12	9
Appendicitis	2	--	--	--	--	--	1	1	--	--
Cirrhosis of the liver	11	--	--	--	--	1	1	7	2	4
Diarrhea and enteritis	3	--	2	2	--	--	--	--	1	--
Hernia and intestinal obstruction	7	--	--	--	--	--	1	2	4	1
Ulcers of stomach or duodenum	4	--	--	--	--	--	1	2	1	1
Goiter—exophthalmic	--	--	--	--	--	--	--	--	--	--
Heart disease, total	327	--	--	2	1	3	12	86	222	117
Coronary	79	--	--	--	1	--	6	32	40	31
Chronic rheumatic	17	--	--	--	--	2	1	7	7	4
Homicide	3	--	--	--	--	--	3	--	--	2
Intracranial lesions of vascular origin	85	--	--	--	--	--	3	19	63	40
Nephritis	58	--	--	--	1	--	1	16	40	18
Prostatic disease	5	--	--	--	--	--	--	--	5	--
Suicide	7	xxx	xxx	xxx	--	--	2	2	3	4
ALL OTHER KNOWN CAUSES	33	1	3	5	--	1	2	4	21	7
CAUSE AS YET UNASSIGNED	23	--	3	3	--	1	3	5	11	9

East St. Louis Metropolitan Area (Region 5)—1940 population: Total 316,248; Urban 213,175; Rural 103,073.

Counties: Madison and St. Clair.

(See masthead for map of State by Regions.)

TABLE VIII. DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, FIRST THREE MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	1,842	66	117	146	18	28	101	398	1,150	1,143
SELECTED CAUSES OF DEATH	1,702	64	105	130	14	22	89	370	1,076	1,050
Diseases of infancy, total	77	62	74	76	1	--	--	--	--	46
Premature birth	21	21	21	21	xxx	xxx	xxx	xxx	xxx	13
Maternal causes, total	2	xxx	xxx	xxx	--	--	2	--	xxx	2
Puerperal septicemia	2	xxx	xxx	xxx	--	--	2	--	xxx	2
Puerperal toxemia	--	xxx	xxx	xxx	--	--	--	--	xxx	--
Communicable diseases, total	132	--	22	32	4	1	17	26	52	84
Acute respiratory diseases, total	64	--	18	24	2	--	3	5	30	37
Influenza	17	--	4	5	--	--	1	--	11	10
Pneumonia	47	--	14	19	2	--	2	5	19	27
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	5	--	2	3	2	--	--	--	--	2
Meningitis—meningococcus	2	--	--	2	--	--	--	--	--	1
Pertussis (whooping cough)	2	--	1	2	--	--	--	--	--	2
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	--	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	14	--	--	--	--	--	3	6	5	10
Tuberculosis—all forms	40	--	--	--	--	--	11	15	14	28
Pulmonary tuberculosis	39	--	--	--	--	--	11	15	13	27
Other communicable diseases	5	--	1	1	--	1	--	--	3	4
Accidents—all forms, total	115	--	2	8	4	13	22	25	43	59
Motor vehicle	24	--	--	--	1	3	10	4	6	12
Home	45	--	2	8	2	--	1	8	26	23
Occupational	20	xxx	xxx	xxx	--	3	9	7	1	8
Public	26	--	--	--	1	7	2	6	10	16
Arteriosclerosis	56	xxx	xxx	xxx	--	--	--	5	51	50
Cancer	198	--	--	1	--	2	17	69	109	115
Diabetes	50	--	--	--	1	--	2	14	33	29
Diseases of digestive system, total	82	2	7	12	2	1	4	22	41	48
Appendicitis	7	--	--	--	2	--	1	1	3	6
Cirrhosis of the liver	21	--	--	--	--	--	--	7	14	11
Diarrhea and enteritis	14	2	6	9	--	1	1	1	2	8
Hernia and intestinal obstruction	20	--	1	2	--	--	1	5	12	12
Ulcers of stomach or duodenum	6	--	--	--	--	--	--	3	3	1
Goiter—exophthalmic	1	--	--	--	--	--	--	--	1	1
Heart disease, total	630	--	--	1	1	3	16	140	469	380
Coronary	180	--	--	--	--	1	8	62	109	107
Chronic rheumatic	26	--	--	--	--	--	1	5	20	17
Homicide	5	--	--	--	--	--	2	1	2	3
Intracranial lesions of vascular origin	213	--	--	--	--	1	4	41	166	133
Nephritis	111	--	--	--	1	--	1	19	90	79
Prostatic disease	16	--	--	--	--	--	--	2	14	9
Suicide	14	xxx	xxx	xxx	--	1	2	6	5	12
ALL OTHER KNOWN CAUSES	111	1	10	13	2	5	8	21	62	76
CAUSE AS YET UNASSIGNED	29	1	2	3	2	1	4	7	12	17

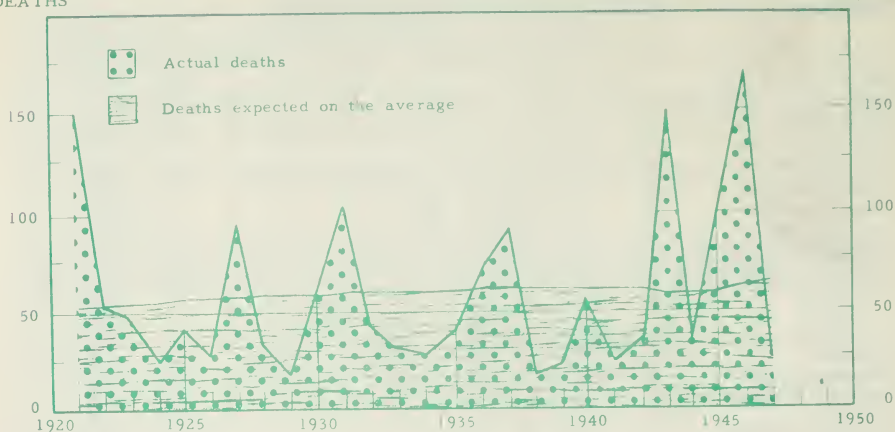
Southern Area (Region 6)--1940 population: Total 723,047; Urban 228,885; Rural 494,162.

Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.

POLIOMYELITIS IN ILLINOIS, 1920-1947

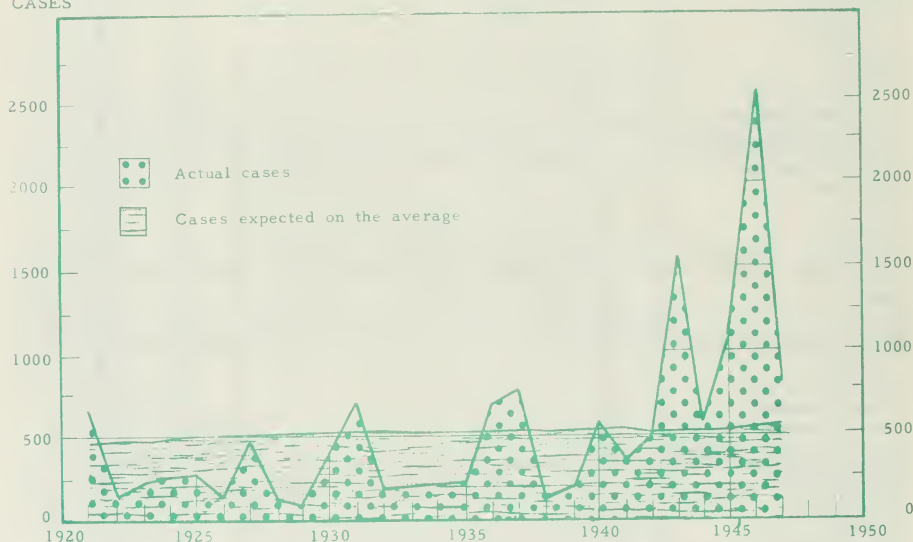
DEATHS

DEATHS



CASES

CASES



HEALTH STATISTICS BULLETIN

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
SPRINGFIELD, ILLINOIS
Return postage guaranteed

Health Statistics BULLETIN

DIVISION OF VITAL STATISTICS AND RECORDS

1948 Series, Nos. 2, 3, 4

Springfield, Illinois

July 30, 1949

MORTALITY IN 1948 AT A NEW ALL-TIME LOW PROGRESS UNCOVERS AND CREATES NEW HEALTH PROBLEMS

Only 10.4 deaths were recorded in 1948 for every thousand inhabitants of Illinois, the lowest rate on record. Although the rates in occasional earlier years have been nearly as low, none of these actually mark as great success in warding off death. The significant fact is that in 1948 a much higher proportion of the population was in the older ages when death is most imminent, while, at the same time, the proportion of those in the safest years of life, four to eighteen years old, was low as compared to earlier years. In reporting this milestone of health progress it is advisable to assess the implications of the facts as well as to describe them. Accordingly, this report first tells the important facts observed in the 1948 vital statistics. The concluding section attempts to interpret the meaning of our present stage of development and the challenge presented for future progress in health.

THE 1948 RECORD

While enjoying an unprecedentedly low mortality, Illinois also maintained a high level of births. The birth rate of 20.9 represents a tapering off from the recent great boom in births but stands substantially above the averages established over the years preceding the boom. The continuation of a high level of births reflects the full employment and general prosperity that has persisted during the last few years. New family formation as reflected by marriages has fallen off after the impetus given by demobilization. Nevertheless, marriages have continued at a relatively high rate and are a guarantee against any precipitate drop in birth rates.

POPULATION GROWTH

Low death rates coupled with a high level of

births is bringing Illinois a substantial growth in population. At the present rate Illinois population would be doubled in seventy years. The present annual rate of natural population increase is 10.5 persons per thousand, second only to the record breaking 11.9 in 1947. For the United States as a whole the increase was 14.4 per thousand in 1948 as against 15.7 in 1947. The rate for Illinois is understandably lower than the national rate because Illinois has a higher proportion of its population at the older ages where death is most frequent and reproduction has ceased. The current rate at which births exceed deaths in Illinois is higher than it has been at any time in the last thirty years. From 1921 to 1924 the rate of natural increase averaged 8 persons per thousand population. Subsequent years saw a decline in the rate of natural population growth to a low point of 2.5 per thousand population in 1936. Rising birth rates coupled with steady death rates in the late 30's and early 40's resulted in higher rates of natural increase. Since 1946, Illinois population has had a natural growth at a rate of over 10 per thousand inhabitants. The latest estimate places the number of inhabitants for the state at 8,670,000 as of July 1, 1948. The graph on the back page of this bulletin portrays how natural increase and migration combined to produce the population changes from 1921 to 1948 in Illinois.

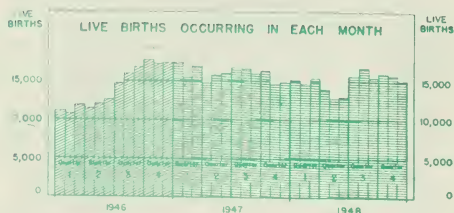


TABLE OF CONTENTS

SECTION	PAGE
I Provisional Vital Statistics for 1948.....	1-16
II Health Trends in Illinois, 1940-1948.....	17-21
III Vital Statistics for the First Nine Months, 1948.....	22-30
IV Vital Statistics for the First Six Months, 1948.....	31-39

TABLE A - BIRTH AND DEATH RATES

	1948	1947
LIVE BIRTHS per 1,000 population	20.9	22.9
DEATHS per 1,000 population	10.4	11.0

Note: Rates are based on estimates of Illinois' population as follows: July 1, 1948 - 8,670,000; July 1, 1947 - 8,397,000.

LOWERED MATERNAL & INFANT MORTALITY

Maternal mortality has been so low in Illinois during recent years that the rate is no longer a good rule-of-thumb for assessing year to year health progress in the state. Only 148 maternal deaths were recorded during 1948. This establishes a new all-time low maternal death rate of 0.8 deaths per thousand live births, not much more than one fourth of what it was as recently as 1940.

While less improvement is to be noted for mortality in the first year of life, the infant death rate of 27.6 per thousand live births in 1948 is 22 per cent below 1940. The reduction in mortality has been greater for infants over one month of age than for those in the first month of life. The 1948 death rate for babies aged one month to one year was 37 per cent below the 1940 rate while the death rate for mortality in the first month of life was 15 per cent below the 1940 rate. Reduction in mortality from influenza and pneumonia was the greatest single factor in the lowered mortality among infants between the ages of one month and one year. In 1948, only 2 babies died from influenza and pneumonia for every thousand born alive, just one half the 1940 rate.

TABLE B - FETAL, INFANT, AND MATERNAL MORTALITY RATES

	Per 1,000 live births	
	1948	1947
FETAL MORTALITY (Stillbirths)	18.1	18.9
NEONATAL MORTALITY (under 1 Month)	20.5	21.7
INFANT MORTALITY (under 1 year)	27.6	28.8
Premature birth	10.5	10.2
MATERNAL MORTALITY	0.8	1.0

There has been a general decline in the risk of death from prematurity over the last twenty years. Despite this prematurity is the most frequent cause of death in babies. This toll is so heavy that premature birth ranks as the ninth most frequent cause of death in the entire population.

For 1948, the major causes of death, such as heart disease, cancer, and cerebral hemorrhage, all exhibited reversals of their previous upward trend in mortality. Even motor vehicle accidents, as well as all other accidents, brought lower mortality in 1948 than in 1947. As with total deaths, we find that not only are the rates for 1948 lower, but, except for cancer, the actual number of deaths are also fewer.

Although the overall death rate for 1948 was 5 per cent below the 1947 figure, the death rate for the communicable diseases was 13 per cent below the rate for 1947. The death rate for all communicable diseases in 1948 was only 73 per 100,000

population as compared to 84 deaths per 100,000 population in 1947. Tuberculosis mortality continued its long decline by dropping from 33.0 deaths per 100,000 population to 30.1 in 1948. The absence of any real outbreak of influenza and pneumonia held deaths from these diseases at reduced levels. However, even with this reduced mortality, tuberculosis took 2,609 lives in Illinois during 1948, and flu and pneumonia were responsible for 2,711 lives.

TABLE C - MORTALITY FROM THE TEN LEADING CAUSES

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1948	1947	1948	1947
1. Heart disease	33,787	34,225	389.7	407.6
2. Cancer	13,674	13,441	157.7	160.1
3. Cerebral hemorrhage*	7,125	7,419	82.2	88.4
4. All accidents	5,623	5,783	64.9	68.9
5. Nephritis	5,048	5,235	58.2	62.3
6. Diabetes	2,784	2,735	32.1	32.6
7. Influenza and pneumonia	2,711	3,279	31.3	39.0
8. Tuberculosis	2,609	2,770	30.1	33.0
9. Premature birth	1,903	1,959	21.9	23.3
10. Arteriosclerosis	1,375	1,431	15.9	17.0

* Intracranial lesions of vascular origin

Note: For change in figures on accidents see footnote to Table D.

NO DEATHS FROM SMALLPOX FOR TEN YEARS

For the past ten years there was not a single death from smallpox, in Illinois, and for the first time, not a single case of smallpox was reported during the calendar year 1948. Another first was also recorded for scarlet fever, with no deaths from this cause in 1948. For the second consecutive year there have been no deaths from rabies in the state. Measles, meningococcal meningitis, and poliomyelitis, were the only communicable diseases which had greater mortality in 1948 than in 1947. The 84 measles deaths and the 41,631 cases reported during the year reflect a cyclical resurgence of an endemic disease. Meningitis mortality, at 0.6 deaths per 100,000 inhabitants, was above the rate of 0.5 for 1947. However, meningitis mortality in 1947 and 1948 was moderate compared to the high mortality of 2.0 per 100,000 population for the years 1943 - 1945. The higher poliomyelitis mortality followed an outbreak in the latter half of 1948, which was attended by rather high fatalities.

Deaths from diphtheria and whooping cough were few in 1948, but any mortality from these preventable diseases is a tragic commentary on the failure to immunize the susceptible population. Twenty-six deaths from whooping cough were reported in Illinois during 1948, and over half of these deaths were among children under one year of age.

The nephritis death rate of 58.2 per 100,000 inhabitants for 1948 is 7 per cent below the rate for 1947 and 16 per cent below the rate for 1946. No conclusive evidence has yet been presented as to the reason for this decline. One explanation has recently been advanced by the National Office of Vital Statistics in the statement: "The lower death rate for nephritis may possibly be associated with

the increase in mortality from heart disease as they commonly occur in the same individual."¹

TABLE D - ACCIDENTAL DEATHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1948	1947	1948	1947
ALL ACCIDENTS	5,623	5,783	64.9	68.9
Motor vehicle	1,919	1,900	22.1	22.6
Home accidents	1,846	1,855	21.3	22.1
Occupational	552	662	6.4	7.9
Public accidents	1,306	1,366	15.1	16.3

Note: The figures in this table have been corrected to include all coroner's permanent certificates (that supersede temporary certificates on which no cause of death is assigned) received up to May 1, 1949.

Deaths due to all forms of accidents are fourth on the list of leading causes of mortality and were responsible for 6 per cent of all deaths during 1948. Home accidents, which accounted for one-third of the deaths from all accidental causes, take their greatest toll among the aged. Over 61 per cent of the 1,846 fatal home accidents in 1948 occurred among persons over 65 years of age. That the home holds many hazards to the lives of infants is evident from the fact that 6 per cent of the deaths from accidents in the home in 1948 were among children under five years of age and 39 per cent of these child deaths occurred among infants less than one year old. Half of these infant deaths in the home were caused by mechanical suffocation.

Eighty fewer people took their own lives during 1948. Based on present reports, a total of 874 suicides were reported in 1948 for a death rate 10.1 per 100,000 population as compared to a rate of 11.4 for 1947. There were, however, 490 homicide deaths reported in 1948, an increase of 71 deaths over the total for 1947.

TABLE E - NATALITY AND MORTALITY BY REGION OF RESIDENCE, 1948

(Includes births and deaths of residents occurring outside Illinois reported up to May 1, 1949)

	REGION 1 Chicago Metropolitan	REGION 2 Northern	REGION 3 Peoria Metropolitan	REGION 4 Central	REGION 5 E. St. Louis Metropolitan	REGION 6 Southern
Live Births	21.2	23.0	23.5	20.6	24.2	18.7
All Deaths, all causes	10.2	11.9	10.3	10.6	10.7	9.7
Neonatal Mortality (under 1 mo.)	20.3	21.2	19.0	19.2	25.6	20.9
Infant Mortality (under 1 yr.)	27.1	29.1	25.4	26.2	32.9	30.6
Premature birth	10.8	10.4	9.2	10.0	12.5	9.5
All Maternal causes	0.7	0.6	0.7	1.0	0.6	1.2
Influenza and Pneumonia	32.2	40.8	38.8	27.5	28.1	26.6
Tuberculosis	37.1	26.4	21.7	15.9	31.3	21.4
All Accidents	58.1	80.7	80.1	74.3	83.9	77.3
Arteriosclerosis	10.5	20.9	32.8	21.3	20.5	32.1
Cancer	166.2	172.7	139.3	154.3	143.7	125.3
Diabetes	33.5	36.0	26.8	32.6	25.6	23.0
Heart Disease	405.2	441.2	337.4	374.7	364.8	330.5
Intracranial Lesions of						
Vascular Origin	70.6	106.5	72.9	103.3	99.6	104.4
Nephritis	55.4	57.1	76.3	70.4	64.3	58.3

Note: The rates for live births and for deaths all causes are per 1,000 population. Maternal and infant causes of death are per 1,000 live births. All other rates are per 100,000 population.

HISTOPLASMOSIS DEATHS

Among the more unusual causes of death, we find that there were three reported deaths from histoplasmosis during 1948. Since 1944, a total of only 7 deaths from histoplasmosis have been reported in the state. For all three 1948 deaths the diagnosis of histoplasmosis was established at autopsy. Presumably, the recent heightened interest in histoplasmosis is encouraging greater efforts to recognize the disease. The mass surveys for tuberculosis case finding by means of chest X-rays and the current emphasis on tests for histoplasmin sensitivity have undoubtedly brought about a heightened interest in histoplasmosis.

MORTALITY BY REGION

Table E gives the natality rates as well as mortality rates for the six regions in the state. Region 6 (Southern Area) had the lowest birth rate in the state with 18.7 live births per thousand population while Region 5 (East St. Louis Metropolitan Area) had the highest birth rate with 24.2 live births per thousand inhabitants. Region 6 also had the lowest death rate at 9.7 deaths per thousand population. However, while tests of completeness of registration have not been made in the state for some time, such evidence as there is indicates that underregistration of births and deaths is negligible everywhere except in the Southern portion of the state. Therefore the rates for that area tend to underestimate actual conditions. However, we see that the Southern portion of the state has important health problems in that both infant and maternal mortality are higher than in the rest of the state.

There was little appreciable variation in the death rates for premature birth for the six regions in the state during 1948. Region 3 (Peoria Met-

¹ Current Mortality Analysis (Federal Security Agency Vol. VI, No. 3 (March, 1948)), p. 1.

ropolitan Area) had the lowest mortality with 9.2 deaths per thousand live births while Region 5

(East St. Louis Metropolitan Area) had the highest mortality from premature birth with a rate of 12.5.

It is interesting to note that mortality from arteriosclerosis, nephritis, and intracranial lesions of vascular origin are lower in Region 1 than in the rest of the state while at the same time mortality from heart disease is high in Region 1. Tuberculosis mortality was highest in Region 1. The lowest accident mortality 58.1 per hundred thousand population was also recorded in Region 1. Some caution must be used in interpreting the rates in Table E, since the population estimates used for each region are more liable to error than the estimates of total population for the state.

THE FRUITS OF SUCCESS — NEW PROBLEMS FOR OLD

Almost unbelievable success has crowned the efforts to prevent premature death. Now, only about one per cent of the population dies in the course of a year despite a greater proportion of old people than ever before. The very presence of so many oldsters is ample testimony to the achievements in preventing premature death. The brilliant record of recent years is nowhere more striking than in the current low risk of death among babies and among mothers. Less than three per cent of the babies die in their first year of life and less than one per cent of the mothers die from causes associated with childbirth. The communicable diseases which were so great a scourge are now numerically insignificant among the causes of death, except for influenza and pneumonia and pulmonary tuberculosis. However, death rates from these diseases are diminishing year by year. The trend in tuberculosis has made it plausible that this dreaded scourge can be totally eliminated within the foreseeable future, provided that control efforts are not only maintained but improved. Improved efforts are required because any control operation runs into the law of diminishing return per unit of effort as the ultimate goal draws nearer. Then, there is also the sad fact that while even now the disease may be practically non-existent in one area, in another it can be widespread and serious. In Illinois, our largest city and our southernmost region pose a large and difficult tuberculosis control problem.

Recognizing that the continuance of present success in control over the principal communicable diseases depends on unrelaxed vigilance and undiminished effort, it is also time to assess the opportunities and needs for further health protection. A large part of our control over the communicable diseases rests on sanitation, a particular kind of control of environment. At the same time that sanitation requirements become larger with the growth of population and its increasing concentration in

urban areas, we face the new environmental problems of air pollution whose fatal importance was so dramatically emphasized at Donora, Pennsylvania. Changing industrial processes as well as the expansion of industry not only bring in such new problems, but intensify all the difficulties of waste disposal. None of these show up in vital statistics until after "the fat is in the fire." Nevertheless, they must always be kept in mind when interpreting the situations reflected by the official statistics of birth and death.

What, then, are the present and future health problems which are directly reflected in our vital statistics? Are there any serious new concerns when we review such a favorable picture as can be drawn from the 1948 vital statistics? Is there a "clear and present danger" in the situation we now encounter? Is there opportunity for further real progress?

THE IMPLICATIONS OF POPULATION TRENDS. The most important single fact about our population is that we are becoming a nation of old people. The year by year success in postponing death has at every stage, of course, contributed to the size of the population at older ages with a strong cumulative effect. In every census since 1900 a larger proportion of the population has shown up at ages over 35 years and a decreasing proportion at the ages under 35. The proportion of those over 65 years has grown fastest. The following table shows up this situation and gives the best informed forecasts of the next three decennial enumerations of the population of the United States.

In Illinois the proportion of elders has grown faster than for the nation as a whole ever since 1930. In 1940 Illinois had 7.2 per cent of its population over 65 years old and in 1950 these elders will constitute at least 8 per cent of all the state's population.

The result of all this is that persons in the productive working ages will have to produce more

PERCENT OF TOTAL POPULATION IN EACH AGE GROUP, U.S., 1900 - 1970

Year	Under 5 Years	5-14 Years	15-24 Years	25-34 Years	35-44 Years	45-64 Years	65 Yrs. And Over
1900	12.1	22.4	19.7	15.9	12.1	13.7	4.1
1910	11.6	20.5	19.8	16.5	12.7	14.6	4.3
1920	11.0	20.9	17.7	16.2	13.4	16.1	4.7
1930	9.3	20.1	18.3	15.4	14.0	17.5	5.4
1940	8.0	17.0	18.2	16.3	13.9	19.9	6.7
1950*	9.2	17.2	15.1	15.9	14.2	21.0	7.7
1960*	7.6	17.2	15.8	13.8	14.3	22.1	9.2
1970*	7.9	15.4	15.9	14.5	12.5	23.5	10.5

*Forecasts of The Population of The United States, 1945-1975 (United States Department of Commerce, Bureau of The Census), Table VI, p. 95

food, shelter, clothing, and all the necessities of life. Although some of the population over 65 years old continue to produce the things that keep our economy going, their contribution to the actual production is small in comparison to the demands of non-producing consumers in the older ages. This situation is intensified by the fact that at the older ages women considerably outnumber men.

As we face this problem, we also encounter the fact that, for a time, we will have an actual decrease in the number of persons entering the labor force. The children born in the depression years of the nineteen thirties are now coming of age. In those years the birth rate dropped off so sharply that total births were lower than at any time subsequent to the war depressed baby production in 1917-18.

These basic facts about our population portend many important developments in our social and economic structure. From the health viewpoint they place new and difficult demands on health services. In order to maintain the necessary productivity of the working force it will hardly be sufficient just to postpone death a little longer. Numerous studies have demonstrated that loss of work time due to disability from illness, injury, and death is not only costly, but is a major factor in holding production below optimum levels. The disadvantage of such disability increases with the skill of the worker. Therefore, with increasing dependence on skilled workers and a need for greater productivity from those workers, it is obvious that our best hope is to protect ourselves from work losses by maintaining our working force at the highest possible level of vigor and health. This means that we face a new type of responsibility, namely, that of preventing every type of disability, mental as well as physical, that may occur in the adult members of the labor force.

THE NEWER FIELDS FOR HEALTH PROTECTION. Merely a casual glance at mortality statistics reveals that any further real progress in preventing premature death is not only dependent

upon our ability to minimize deaths among adults under 65, but upon successfully combating the degenerative diseases that accompany aging. Heart disease, cancer, cerebral hemorrhage, nephritis, and accidents account for over half the deaths at age 25 to 44 and over three-fourths of the deaths at age 45 to 64. Except for the common cold, mental disease, and certain temporary female disorders, these same conditions also contribute more than any other group to non-fatal disability.

The fact that most accidents are held preventable demonstrates the need for redoubled efforts at accident prevention. The public health movement has really only made a small beginning on programs for accident prevention. It is felt there is a definite need for an overall attack on the problem to supplement and coordinate the specialized programs for highway safety, industrial safety, etc.

Real success with the degenerative diseases depends heavily on research to uncover new knowledge and new methods. However, the present stage of knowledge is sufficient to produce important gains if applied. It has been pointed out that the public health movement would have been tardy indeed had it waited for the final, effective tools before making any attempt at control of malaria and typhoid. Belief that the public health movement can and should do something about these newer problems has already crystallized in the Congress. Large appropriations have already been made (or are in the making) to attack these newer problems. At the same time, the very existence of these problems has done much to precipitate the entire controversy over methods for medical care.

The picture that is drawn from our current vital statistics amply demonstrates the need for action on new concerns by the public health movement. The statistical picture also points up real opportunities for important progress. The danger from the favorable aspects of the statistical picture is complacency brought about by a partial victory. Such danger may not be entirely clear, but is certainly ever present.

STATE OF ILLINOIS

ADLAI E. STEVENSON
GOVERNOR

DEPARTMENT OF PUBLIC HEALTH

ROLAND R. CROSS, M.D.
DIRECTOR

Health Statistics BULLETIN

RELEASED FOR THE USE OF PROFESSIONAL WORKERS IN HEALTH

ADDRESS MAIL FOR THE HEALTH STATISTICS BULLETIN TO
O. K. SAGEN, PH.D., CHIEF
DIVISION OF VITAL STATISTICS AND RECORDS

TABLE I. LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE, 1948

(All registrations within the State)

County of Occurrence	Estimated Civilian Population*	Live Births	Stillbirths	Deaths	County of Occurrence	Estimated Civilian Population*	Live Births	Stillbirths	Deaths
Entire State	8,670,000	180,987	3275	89850	La Salle	107,398	2,350	57	1,077
Chicago	3,757,433	77,406	1478	37875	Lawrence	21,096	114	5	151
Downstate	4,912,567	103,581	1797	51975	Lee	37,483	730	13	509
					Livingston	41,694	722	14	459
Adams	71,408	1,650	25	835	Logan	31,921	566	11	411
Alexander	27,992	749	23	350	McDonough	29,044	680	15	335
Bond	14,528	25	--	88	McHenry	38,383	732	14	399
Boone	16,411	448	7	214	McLean	80,629	1,913	36	864
Brown	7,870	40	1	66	Macon	93,634	2,645	41	1,013
Bureau	37,937	818	11	413	Macoupin	46,862	276	9	366
Calhoun	7,992	80	1	50	Madison	165,736	3,949	75	1,701
Carroll	18,117	320	6	211	Marion	52,236	1,166	22	442
Cass	16,621	390	5	172	Marshall	13,215	12	--	68
Champaign	77,200	2,563	40	770	Mason	15,431	38	--	98
Christian	41,843	840	15	377	Massac	14,976	216	6	172
Clark	18,573	67	1	160	Menard	10,619	35	1	53
Clay	18,956	139	2	99	Mercer	17,651	18	2	101
Clinton	23,250	407	8	182	Monroe	12,674	8	1	89
Coles	42,022	996	19	418	Montgomery	37,295	960	18	472
Cook	4,553,336	94,344	1753	46,634	Morgan	39,632	823	17	754
Crawford	21,382	426	7	255	Moultrie	13,478	32	1	129
Cumberland	11,451	46	2	93	Ogle	30,250	381	6	265
De Kalb	37,298	1,100	12	437	Peoria	170,583	4,864	73	2,062
De Witt	18,368	235	4	164	Perry	25,439	511	9	212
Douglas	17,790	374	9	170	Piatt	14,590	199	4	120
Du Page	115,180	1,996	28	1,024	Pike	25,104	394	4	231
Edgar	26,255	460	10	265	Pope	7,719	60	--	57
Edwards	8,962	58	--	73	Pulaski	15,877	137	2	147
Effingham	22,357	931	11	287	Putnam	5,295	2	--	24
Fayette	28,867	599	11	235	Randolph	34,034	696	11	324
Ford	15,161	806	1	136	Richland	18,367	653	11	295
Franklin	58,375	693	15	457	Rock Island	126,051	3,278	61	1,460
Fulton	48,275	796	16	452	St. Clair	185,672	4,165	77	1,944
Gallatin	11,429	129	2	77	Saline	41,549	977	13	425
Greene	20,332	388	10	146	Sangamon	130,276	3,358	58	1,597
Grundy	18,781	307	8	152	Schuyler	11,166	108	4	86
Hamilton	13,108	236	4	113	Scott	8,084	20	1	51
Hancock	26,129	191	2	207	Shelby	26,036	357	4	228
Hardin	7,733	123	1	67	Stark	8,853	4	--	35
Henderson	8,858	19	1	44	Stephenson	44,279	1,212	23	527
Henry	47,579	1,018	15	511	Tazewell	64,141	1,002	20	428
Iroquois	32,451	552	12	265	Union	21,554	436	15	457
Jackson	41,206	1,048	14	416	Vermilion	95,507	2,103	28	1,059
Jasper	13,022	43	--	77	Wabash	13,935	135	2	154
Jefferson	36,984	936	17	365	Warren	22,896	586	12	229
Jersey	13,761	74	4	103	Washington	15,552	42	1	97
Jo Daviess	19,990	50	1	191	Wayne	21,767	224	4	131
Johnson	10,432	114	1	86	White	20,093	222	1	166
Kane	144,689	4,588	59	2,212	Whiteside	47,195	1,180	18	410
Kankakee	66,902	1,507	30	1,472	Will	126,400	2,731	44	1,271
Kendall	11,106	4	--	89	Williamson	56,401	984	17	625
Knox	57,249	1,268	17	568	Winnnebago	134,778	3,488	75	1,252
Lake	134,740	4,017	76	1,409	Woodford	19,212	29	2	141

* Estimated population as of July 1, 1948.

TABLE I. I. ALL DEATHS IN ILLINOIS ACCORDING TO CAUSE, 1948

(All registrations within the State)

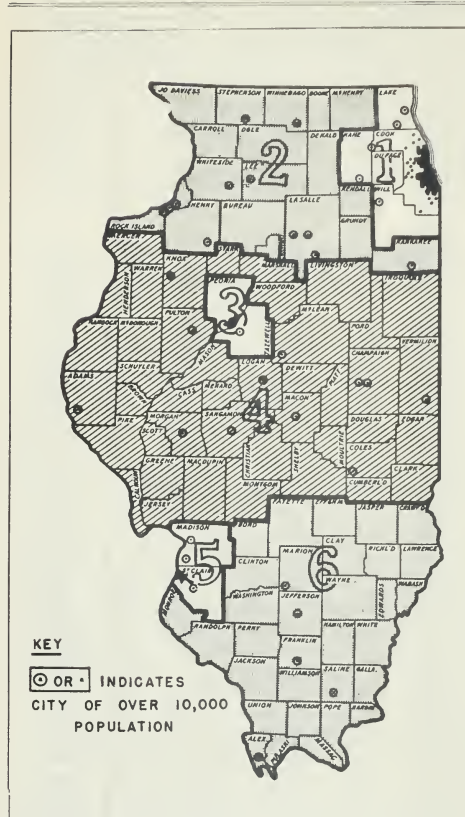
CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	89,850	3,705	5,000	5,830	759	1,570	7,310	27,528	46,849	19,111
SELECTED CAUSES OF DEATH	85,848	3,623	4,746	5,444	630	1,416	6,698	26,330	45,326	18,188
Diseases of infancy, total	4,038	3,433	3,829	3,920	35	23	36	22	2	289
Premature birth	1,903	1,875	1,903	1,903	XXX	XXX	XXX	XXX	XXX	105
Maternal causes, total	148	XXX	XXX	XXX	--	43	101	4	XXX	13
Puerperal septicemia	53	XXX	XXX	XXX	--	15	37	1	XXX	4
Puerperal toxemia	27	XXX	XXX	XXX	--	7	19	1	XXX	3
Communicable diseases, total	6,326	135	553	807	149	262	1,237	1,987	1,884	1,798
Acute respiratory diseases, total	2,711	133	480	595	42	27	235	631	1,181	558
Influenza	132	--	20	30	2	2	11	19	68	43
Pneumonia	2,579	133	460	565	40	25	224	612	1,113	515
Diphtheria	10	--	--	2	1	3	1	--	3	3
Dysentery—all forms	16	--	3	6	--	--	2	2	6	4
Encephalitis—infectious	19	--	2	2	1	--	4	9	3	8
Measles	84	--	11	51	25	2	6	--	--	15
Meningitis—meningococcus	55	--	11	30	8	2	5	8	2	7
Pertussis (whooping cough)	26	--	16	26	--	--	--	--	--	7
Poliomyelitis	65	--	1	10	24	15	16	--	--	9
Rheumatic fever	42	--	--	5	16	7	7	5	2	6
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	596	2	3	3	1	2	77	306	207	236
Tuberculosis—all forms	2,609	--	18	64	25	200	860	1,004	456	929
Pulmonary tuberculosis	2,387	--	5	21	12	178	790	952	434	898
Other communicable diseases	93	--	8	13	6	4	24	22	24	16
Accidents—all forms, total	5,623	17	124	320	274	608	1,060	1,392	1,967	1,360
Motor vehicle	1,919	--	6	67	118	360	498	510	366	580
Home	1,846	12	106	214	63	34	130	270	1,135	330
Occupational	552	XXX	XXX	XXX	--	66	185	243	58	147
Public	1,306	5	12	39	93	148	247	369	408	303
Arteriosclerosis	1,375	XXX	XXX	XXX	--	--	3	103	1,269	633
Cancer	13,674	--	2	39	35	84	1,030	5,696	6,789	2,403
Diabetes	2,784	--	1	4	13	20	90	1,030	1,627	455
Diseases of digestive system, total	3,867	26	204	279	57	54	492	1,558	1,427	511
Appendicitis	267	1	1	17	25	20	48	89	68	14
Cirrhosis of the liver	1,188	1	13	16	3	1	195	582	391	190
Diarrhea and enteritis	242	21	150	170	3	7	15	14	33	46
Hernia and intestinal obstruction	655	--	23	34	8	4	52	234	323	80
Ulcers of stomach or duodenum	633	1	3	3	2	4	73	298	253	62
Goiter—exophthalmic	164	--	--	--	--	5	16	75	68	26
Heart disease, total	33,787	2	10	28	39	112	1,596	10,709	21,302	7,495
Coronary	8,593	--	--	--	2	14	436	3,672	4,468	2,131
Chronic rheumatic	1,526	--	1	3	22	43	305	564	589	314
Homicide	490	9	12	15	5	82	276	92	20	48
Intracranial lesions of vascular origin	7,125	1	8	16	5	23	227	1,950	4,904	1,735
Nephritis	5,048	--	3	16	17	54	297	1,255	3,409	1,093
Prostatic disease	525	--	--	--	--	--	1	75	449	60
Suicide	874	XXX	XXX	XXX	1	46	236	1,382	209	269
ALL OTHER KNOWN CAUSES	3,968	80	250	380	126	152	603	1,191	1,516	909
CAUSE AS YET UNASSIGNED	34	2	4	6	3	2	9	7	7	14

* Age not reported for 4 deaths.

ENTIRE STATE--1940 population: Total 7,897,241; Urban 5,809,650; Rural 2,087,591.

For a detailed discussion of the 6 principal geographic Regions of the State see Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1944."

THE SIX MAJOR REGIONS OF ILLINOIS



REGION 1 - CHICAGO METROPOLITAN

Cook County.....	4,003,142	3,956,153	107,189	
DuPage County.....	484,531	484,531		
Blue Island.....	16,538	16,538		
Bradfield.....	10,817	10,817		
Calumet City.....	13,214	13,214		
Chicago.....	3,396,008	3,396,008		
Chicago Heights.....	22,461	22,461		
Cicero.....	16,478	16,478		
Elmhurst.....	13,689	13,689		
Elmwood Park.....	10,389	10,389		
Forest Park.....	14,840	14,840		
Harvey.....	17,878	17,878		
La Grange.....	10,479	10,479		
Maywood.....	26,648	26,648		
Melrose Park.....	10,933	10,933		
Oak Park.....	66,015	66,015		
Park Ridge.....	12,063	12,063		
Wilmette.....	17,226	17,226		
Winnetka.....	12,410	12,410		
DuPage County.....	103,480	73,204	30,276	
Elmhurst.....	15,458	15,458		
Kane County.....	110,206	99,984	30,222	
Aurora.....	47,170	47,170		
Elgin.....	38,333	38,333		
DuPage County.....	121,094	79,862	41,442	
Highland Park.....	14,476	14,476		
Waukegan.....	43,788	21,537		
Will County.....	114,210	47,608	66,602	
Joint.....	62,365	62,365		

REGION 2 - NORTHERN

Boone County.....	15,202	8,094	7,108
Bureau County.....	37,600	10,234	27,366
Cerro County.....	17,088	4,702	12,386
DeKalb County.....	34,388	16,456	17,932
Grundy County.....	18,198	5,145	13,053
Henry County.....	43,788	21,537	
Kewanee.....	16,991	16,991	
LaSalle County.....	19,981	12,042	7,939

AREA	POPULATION - 1940 CENSUS	Total	Urban*	Rural*
Kendall County.....	80,877	25,730	54,947	
Kankakee.....	22,541	22,541		
Kendall County.....	11,105	11,105		
LaSalle County.....	97,861	65,338	32,463	
LaSalle.....	12,612	12,612		
LaSalle.....	16,000	16,000		
LaSalle.....	14,940	14,940		
LaSalle.....	34,564	10,671	23,933	
LaSalle.....	10,671	10,671		
LaSalle.....	37,311	13,161	24,150	
LaSalle.....	29,919	7,025	22,844	
LaSalle.....	5,289	5,289		
LaSalle.....	113,233	92,732	20,591	
LaSalle.....	12,159	12,159		
LaSalle.....	34,608	34,608		
LaSalle.....	12,178	12,178		
LaSalle.....	40,446	22,364	18,280	
LaSalle.....	22,364	22,364		
LaSalle.....	43,338	22,122	21,216	
LaSalle.....	11,363	11,363		
LaSalle.....	12,178	12,178		
LaSalle.....	84,637	84,637		

REGION 3 - PEORIA METROPOLITAN

Peoria County.....	153,374	106,403	43,911
Peoria.....	105,087	105,087	
Tazewell County.....	58,362	29,748	28,614
Peoria.....	19,407	19,407	

REGION 4 - CENTRAL

Adams County.....	65,229	40,469	24,760
Adams.....	40,469	40,469	
Adams.....	8,053	8,053	
Adams.....	8,207	8,207	
Adams.....	16,245	5,595	9,520
Adams.....	70,578	37,166	33,212
Adams.....	23,302	23,302	
Adams.....	16,004	16,004	
Adams.....	18,564	14,279	24,285
Adams.....	15,301	15,301	
Adams.....	38,470	24,024	14,446
Adams.....	15,827	15,827	
Adams.....	11,698	11,698	
Adams.....	18,244	6,331	11,913
Adams.....	16,838	16,838	
Adams.....	24,430	9,281	15,149
Adams.....	15,007	3,106	11,901
Adams.....	44,627	11,577	33,050
Adams.....	11,577	11,577	
Adams.....	15,827	15,827	
Adams.....	26,297	2,575	23,722
Adams.....	8,949	8,949	
Adams.....	32,494	3,764	28,732
Adams.....	13,616	4,809	8,807
Adams.....	25,500	25,500	
Adams.....	28,876	28,876	
Adams.....	9,585	9,585	
Adams.....	29,438	12,752	16,686
Adams.....	29,438	12,752	
Adams.....	37,944	37,944	
Adams.....	73,930	39,851	34,079
Adams.....	39,851	39,851	
Adams.....	59,105	59,105	
Adams.....	59,105	59,105	
Adams.....	15,301	15,301	
Adams.....	46,304	19,217	27,087
Adams.....	13,179	13,179	
Adams.....	35,958	35,958	
Adams.....	16,846	16,846	
Adams.....	17,701	2,593	15,108
Adams.....	14,999	14,999	
Adams.....	16,846	16,846	
Adams.....	19,844	19,844	
Adams.....	15,017	15,017	
Adams.....	14,659	2,523	12,136
Adams.....	25,500	25,500	
Adams.....	117,912	75,503	42,409
Adams.....	75,503	75,503	
Adams.....	11,430	11,430	
Adams.....	8,176	8,176	
Adams.....	25,250	4,092	21,158
Adams.....	8,881	8,881	
Adams.....	86,791	48,981	37,810
Adams.....	31,286	5,096	26,190
Adams.....	19,124	19,124	

REGION 5 - EAST ST. LOUIS METROPOLITAN

Madison County.....	149,349	104,638	44,711
Alton.....	31,255	31,255	
Greene City.....	22,974	22,974	
St. Clair County.....	109,999	109,999	
Belleville.....	28,405	28,405	
East Saint Louis.....	75,609	75,609	

REGION 6 - SOUTHERN

Alton.....	25,496	14,407	11,089
Alton.....	14,407	14,407	
Alton.....	15,490	3,391	11,149
Alton.....	16,947	5,974	10,973
Alton.....	22,912	3,225	19,687
Alton.....	14,407	4,111	10,296
Alton.....	8,974	8,974	
Alton.....	22,014	6,180	15,834
Alton.....	29,159	5,488	23,671
Alton.....	53,137	26,594	26,543
Alton.....	16,846	16,846	
Alton.....	11,414	11,414	
Alton.....	13,454	2,928	10,526
Alton.....	7,759	7,759	
Alton.....	37,920	17,526	20,394
Alton.....	16,846	16,846	
Alton.....	34,175	14,724	19,451
Alton.....	14,724	14,724	
Alton.....	10,727	10,727	
Alton.....	21,075	6,213	14,862
Alton.....	47,989	47,989	
Alton.....	16,343	16,343	
Alton.....	14,724	14,724	
Alton.....	12,754	12,754	
Alton.....	23,438	10,461	12,777
Alton.....	14,724	14,724	
Alton.....	15,875	15,875	
Alton.....	15,875	15,875	
Alton.....	17,137	7,831	9,306
Alton.....	38,066	13,444	24,622
Alton.....	11,453	11,453	
Alton.....	21,528	4,092	17,436
Alton.....	13,724	13,724	
Alton.....	15,801	15,801	
Alton.....	22,014	4,008	18,006
Alton.....	40,827	19,729	21,098
Alton.....	91,424	26,914	24,510

*Incorporated places of 5,500 population or more are considered urban and places under 5,500 are considered rural.

TABLE III. BIRTHS, DEATHS ALL CAUSES, AND INFANT DEATHS BY COUNTY OF RESIDENCE, 1948

(Includes births and deaths of residents occurring outside Illinois reported up to May 1, 1949)

COUNTY OF RESIDENCE	LIVE BIRTHS		DEATHS ALL CAUSES		INFANT DEATHS		COUNTY OF RESIDENCE	LIVE BIRTHS		DEATHS ALL CAUSES		INFANT DEATHS	
	Number	Rate	Number	Rate	Number	Rate		Number	Rate	Number	Rate	Number	Rate
Entire State*	184,199	21.2	91,156	10.5	5,103	27.7	La Salle	2,103	19.6	1,065	9.9	49	23.3
Chicago	78,191	20.8	39,263	10.4	2,154	27.5	Lawrence	378	17.9	211	10.0	11	29.1
Downstate	106,008	21.6	51,893	10.6	2,949	27.8	Lee	728	19.4	517	13.8	58	79.7
							Livingston	802	19.2	430	10.3	15	18.7
Adams	1,385	19.4	763	10.7	38	27.4	Logan	472	14.8	403	12.6	14	29.7
Alexander	454	16.2	266	9.5	18	39.6	McDonough	597	20.6	323	11.1	11	18.4
Bond	286	19.7	158	10.9	7	24.5	McHenry	1,084	28.2	466	12.1	42	38.7
Boone	382	23.3	205	12.5	11	28.8	McLean	1,681	20.8	798	9.9	32	19.0
Brown	139	17.7	83	10.5	4	28.8	Macon	2,304	24.6	925	9.9	69	29.9
Bureau	705	18.6	400	10.5	16	22.7	Macoupin	840	17.9	570	12.2	27	32.1
Calhoun	136	17.0	66	8.3	3	22.1	Madison	4,047	24.4	1,740	10.5	106	26.2
Carroll	422	23.3	250	13.8	11	26.1	Marion	941	18.0	425	8.1	28	29.8
Cass	343	20.6	182	11.0	11	32.1	Marshall	254	19.2	113	8.6	8	31.5
Champaign	2,490	32.3	706	9.1	45	18.1	Mason	304	19.7	181	11.7	6	19.7
Christian	756	18.1	388	9.3	23	30.4	Massac	224	15.0	178	11.9	10	44.6
Clark	306	16.5	228	12.3	11	35.9	Menard	206	19.4	94	8.9	1	4.9
Clay	380	20.0	164	8.7	8	21.1	Mercer	342	19.4	173	9.8	7	20.5
Clinton	537	23.1	200	8.6	7	13.0	Monroe	240	18.9	135	10.7	5	20.8
Coles	901	21.4	438	10.4	26	28.9	Montgomery	640	17.2	355	9.5	18	28.1
Cook	95,015	20.9	47,076	10.3	2,584	27.2	Morgan	608	15.3	684	17.3	22	36.2
Crawford	417	19.5	263	12.3	18	43.2	Moultrie	283	21.0	158	11.7	4	14.1
Cumberland	200	17.5	134	11.7	5	25.0	Ogle	713	23.6	324	10.7	19	26.6
De Kalb	933	25.0	405	10.9	22	23.6	Peoria	3,823	22.4	1,856	10.9	101	26.4
De Witt	360	19.6	206	11.2	13	36.1	Perry	452	17.8	203	8.0	15	33.2
Douglas	344	19.3	176	9.9	7	20.3	Piatt	302	20.7	155	10.6	10	33.1
Du Page	2,878	25.0	1,053	9.1	75	26.1	Pike	483	19.2	284	11.3	10	20.7
Edgar	482	18.4	254	9.7	11	22.8	Pope	114	14.8	84	10.9	3	26.3
Edwards	199	22.2	114	12.7	7	35.2	Pulaski	249	15.7	183	11.5	11	44.2
Effingham	548	24.5	202	9.0	12	21.9	Putnam	88	16.6	53	10.0	1	11.4
Fayette	528	18.3	235	8.1	12	22.7	Randolph	567	16.6	305	9.0	28	49.4
Ford	370	24.4	157	10.4	11	29.7	Richland	377	20.5	197	10.7	9	23.9
Franklin	956	16.4	522	8.9	30	31.4	Rock Island	3,068	24.3	1,418	11.2	87	28.4
Fulton	860	17.8	479	9.9	31	36.0	St. Clair	4,451	24.0	2,032	10.9	174	39.1
Gallatin	218	19.1	112	9.8	8	36.7	Saline	658	15.8	400	9.6	25	38.0
Greene	320	15.7	181	8.9	9	28.1	Sangamon	2,889	22.2	1,380	10.6	92	31.8
Grundy	446	23.7	192	10.2	14	31.4	Schuyler	197	17.6	110	9.9	4	20.3
Hamilton	261	19.9	128	9.8	4	15.3	Scott	150	18.6	91	11.3	5	33.3
Hancock	515	19.7	325	12.4	14	27.2	Shelby	491	18.9	281	10.8	9	18.3
Hardin	174	22.5	80	10.3	6	24.5	Stark	190	21.5	88	9.9	5	26.3
Henderson	177	20.0	76	8.6	3	16.9	Stephenson	874	19.7	460	10.4	28	32.0
Henry	951	20.0	497	10.4	21	22.1	Tazewell	1,693	26.4	551	8.6	39	23.0
Iroquois	705	21.7	302	9.3	17	24.1	Union	404	18.7	480	22.3	19	47.0
Jackson	851	20.7	401	9.7	23	27.0	Vermilion	1,906	20.0	1,010	10.6	50	26.2
Jasper	261	20.0	136	10.4	5	19.2	Wabash	283	20.3	175	12.6	10	35.3
Jefferson	787	21.3	340	9.2	22	28.0	Warren	475	20.7	220	9.6	13	27.4
Jersey	302	21.9	148	10.8	7	23.2	Washington	275	17.7	148	9.5	6	21.8
Jo Daviess	461	23.1	278	13.9	15	32.5	Wayne	449	20.6	188	8.6	14	31.2
Johnson	180	17.3	102	9.8	10	55.6	White	454	27.6	212	10.6	17	37.4
Kane	3,090	21.4	1,952	13.5	80	25.9	Whiteside	1,265	26.8	467	9.9	29	22.9
Kankakee	1,411	21.1	1,463	21.9	45	31.9	Will	2,697	21.3	1,274	10.1	82	30.4
Kendall	271	24.4	140	12.6	7	25.8	Williamson	969	17.2	565	10.0	34	35.1
Knox	1,194	20.9	589	10.3	34	28.5	Winnebago	3,528	26.2	1,267	9.4	80	22.7
Lake	3,834	28.5	1,310	9.7	96	25.0	Woodford	458	23.8	207	10.8	9	19.7

* County of residence unknown for 8 live births, 19 deaths, and 5 infant deaths.

Note: Live birth and death rates are per 1,000 population. Infant death rates are per 1,000 live births.

TABLE IV. ALL DEATHS AMONG RESIDENTS OF ILLINOIS, 1948

(Includes deaths of residents occurring outside Illinois reported up to May 1, 1949)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	91,156	3,780	5,103	5,959	782	1,599	7,415	28,009	47,384	22,850
SELECTED CAUSES OF DEATH	87,033	3,696	4,841	5,560	650	1,440	6,779	26,779	45,817	21,632
Diseases of infancy, total	4,112	3,498	3,905	3,998	32	23	34	23	2	977
Premature birth	1,947	1,918	1,947	1,947	xxx	xxx	xxx	xxx	xxx	430
Maternal causes, total	145	xxx	xxx	xxx	--	40	101	4	xxx	39
Puerperal septicemia	51	xxx	xxx	xxx	--	12	38	1	xxx	13
Puerperal toxemia	28	xxx	xxx	xxx	--	7	20	1	xxx	8
Communicable diseases, total	6,452	140	566	825	154	264	1,252	2,040	1,916	1,583
Acute respiratory diseases, total	2,755	138	488	605	43	27	241	639	1,200	721
Influenza	138	--	22	32	2	2	11	19	72	62
Pneumonia	2,617	138	466	573	41	25	230	620	1,128	659
Diphtheria	9	--	--	2	1	3	--	--	3	4
Dysentery—all forms	16	--	4	7	--	--	2	1	6	3
Encephalitis—infectious	20	--	2	2	1	--	4	10	3	6
Measles	83	--	10	50	25	2	6	--	--	25
Meningitis—meningococcus	55	--	11	29	8	1	5	10	2	14
Pertussis (whooping cough)	28	--	18	28	--	--	--	--	--	13
Poliomyelitis	68	--	1	11	25	16	16	--	--	22
Rheumatic fever	43	--	--	5	16	7	9	5	1	12
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	613	2	3	3	1	2	77	317	213	248
Tuberculosis—all forms	2,655	--	18	66	26	201	864	1,034	463	477
Pulmonary tuberculosis	2,436	--	5	22	12	181	796	983	441	456
Other communicable diseases	107	--	11	17	8	5	28	24	25	38
Accidents—all forms, total	5,750	18	125	335	286	623	1,078	1,420	2,004	1,719
Motor vehicle	1,926	--	5	67	116	360	491	520	371	623
Home	1,871	12	106	218	66	35	135	269	1,148	580
Occupational	548	xxx	xxx	xxx	1	58	182	247	60	172
Public	1,405	6	14	50	103	170	270	384	425	344
Arteriosclerosis	1,401	xxx	xxx	xxx	--	--	3	108	1,290	666
Cancer	13,850	--	3	38	36	88	1,042	5,777	6,868	2,947
Diabetes	2,792	--	1	4	12	19	88	1,044	1,624	626
Diseases of digestive system, total	3,942	29	205	281	59	56	498	1,586	1,462	872
Appendicitis	270	2	2	19	26	20	47	89	69	69
Cirrhosis of the liver	1,210	1	13	16	3	1	198	596	396	192
Diarrhea and enteritis	246	22	152	171	3	7	15	15	35	78
Hernia and intestinal obstruction	666	--	21	32	8	3	52	239	332	188
Ulcers of stomach or duodenum	639	1	3	3	2	3	75	301	255	107
Goiter—exophthalmic	162	--	--	--	--	6	15	75	66	40
Heart disease, total	34,144	2	14	32	40	115	1,618	10,872	21,466	8,308
Coronary	8,791	--	1	1	3	13	444	3,782	4,547	2,395
Chronic rheumatic	1,536	--	1	3	22	44	312	564	591	344
Homicide	479	9	12	15	5	81	268	89	21	44
Intracranial lesions of vascular origin	7,250	--	7	15	6	24	228	1,997	4,980	2,079
Nephritis	5,131	--	3	17	19	54	313	1,283	3,445	1,326
Prostatic disease	537	--	--	--	--	--	1	73	463	142
Suicide	886	xxx	xxx	xxx	1	47	240	388	210	264
ALL OTHER KNOWN CAUSES	4,090	82	258	393	129	157	627	1,224	1,560	1,204
CAUSE AS YET UNASSIGNED	33	2	4	6	3	2	9	6	7	14

* Age not reported for 8 deaths, region of residence unknown for 19 deaths.

ENTIRE STATE--1940 population: Total 7,897,241; Urban 5,809,650; Rural 2,087,591.

For a detailed discussion of the 6 principal geographic Regions of the State see Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1944."

TABLE V. DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, 1948

(Includes deaths of residents occurring outside Illinois reported up to May 1, 1949)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	52,665	2,185	2,917	3,335	394	875	4,854	18,832	24,372	3,673
SELECTED CAUSES OF DEATH	50,596	2,145	2,777	3,117	330	794	4,486	18,109	23,757	3,530
Diseases of infancy, total	2,357	2,023	2,251	2,287	16	14	24	16	--	145
Premature birth	1,161	1,141	1,161	1,161	xxx	xxx	xxx	xxx	xxx	72
Maternal causes, total	78	xxx	xxx	xxx	--	25	52	1	xxx	6
Puerperal septicemia	26	xxx	xxx	xxx	--	6	20	--	xxx	2
Puerperal toxemia	17	xxx	xxx	xxx	--	6	11	--	xxx	2
Communicable diseases, total	3,974	98	332	464	87	183	895	1,388	956	246
Acute respiratory diseases, total	1,632	97	295	359	28	13	170	453	609	110
Influenza	31	--	4	10	1	2	3	3	12	2
Pneumonia	1,601	97	291	349	27	11	167	450	597	108
Diphtheria	5	--	--	1	--	2	--	--	2	1
Dysentery—all forms	11	--	2	4	--	--	1	1	5	1
Encephalitis—infectious	13	--	1	1	--	--	3	7	2	3
Measles	21	--	1	11	10	--	--	--	--	--
Meningitis—meningococcus	36	--	9	20	7	1	3	4	1	3
Pertussis (whooping cough)	5	--	5	5	--	--	--	--	--	--
Polio myelitis	23	--	1	2	7	5	9	--	--	--
Rheumatic fever	28	--	--	2	12	4	5	5	--	4
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	264	1	1	1	--	--	38	144	81	44
Tuberculosis—all forms	1,884	--	15	51	20	156	647	761	248	79
Pulmonary tuberculosis	1,713	--	4	15	7	140	595	721	234	70
Other communicable diseases	52	--	2	7	3	2	19	13	8	--
Accidents—all forms, total	2,950	6	63	158	129	274	540	884	964	241
Motor vehicle	955	--	3	32	50	149	214	312	197	105
Home	909	4	55	106	30	22	88	170	493	71
Occupational	250	xxx	xxx	xxx	--	20	74	134	22	14
Public	836	2	5	20	49	83	164	268	252	51
Arteriosclerosis	533	xxx	xxx	xxx	--	--	3	58	472	142
Cancer	8,434	--	2	19	16	42	667	3,913	3,777	443
Diabetes	1,702	--	1	5	8	12	42	717	919	100
Diseases of digestive system, total	2,368	13	110	148	34	32	348	1,071	735	141
Appendicitis	144	1	1	10	12	12	25	50	35	6
Cirrhosis of the liver	824	--	11	14	3	--	163	438	206	39
Diarrhea and enteritis	111	11	74	82	2	5	7	8	7	11
Hernia and intestinal obstruction	366	--	15	20	4	2	33	142	165	34
Ulcers of stomach or duodenum	415	--	2	2	2	2	47	201	161	25
Goiter—exophthalmic	102	--	--	--	--	4	11	51	36	9
Heart disease, total	20,562	--	5	12	23	65	1,180	7,571	11,711	1,575
Coronary	4,414	--	--	--	1	5	254	2,184	1,970	327
Chronic rheumatic	898	--	1	2	16	27	219	388	246	45
Homicide	364	5	7	8	3	65	210	66	12	4
Intracranial lesions of vascular origin	3,584	--	4	7	3	13	148	1,260	2,153	230
Nephritis	2,810	--	2	11	11	38	229	853	1,668	188
Prostatic disease	283	--	--	--	--	--	1	50	232	20
Suicide	495	xxx	xxx	xxx	--	27	136	210	122	40
ALL OTHER KNOWN CAUSES	2,056	39	138	216	63	80	364	720	613	141
CAUSE AS YET UNASSIGNED	13	1	2	2	1	1	4	3	2	2

* Age not reported for 3 deaths.

Chicago Metropolitan Area (Region I)--1940 population: Total 4,532,332; Urban 4,256,601; Rural 275,731.
Counties: Cook, Du Page, Kane, Lake and Will.

TABLE VI. DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, 1948

(Includes deaths of residents occurring outside Illinois reported up to May 1, 1949)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	10,078	412	566	685	120	199	684	2,433	5,955	4,823
SELECTED CAUSES OF DEATH	9,560	400	540	642	94	175	594	2,312	5,741	4,556
Diseases of infancy, total	481	383	448	470	6	2	2	1	--	218
Premature birth	202	201	202	202	XXX	XXX	XXX	XXX	XXX	79
Maternal causes, total	12	XXX	XXX	XXX	--	3	9	--	XXX	5
Puerperal septicemia	4	XXX	XXX	XXX	--	1	3	--	XXX	2
Puerperal toxemia	3	XXX	XXX	XXX	--	--	3	--	XXX	--
Communicable diseases, total	743	11	54	84	22	25	115	223	274	460
Acute respiratory diseases, total	345	10	47	62	5	3	29	79	167	202
Influenza	21	--	5	6	1	--	3	3	8	7
Pneumonia	324	10	42	56	4	3	26	76	159	195
Diphtheria	1	--	--	--	--	--	--	--	1	1
Dysentery—all forms	3	--	1	1	--	--	1	--	1	2
Encephalitis—infectious	3	--	1	1	1	--	1	--	--	2
Measles	9	--	2	4	1	1	3	--	--	4
Meningitis—meningococcus	1	--	--	--	--	--	--	1	--	1
Pertussis (whooping cough)	2	--	1	2	--	--	--	--	--	1
Poliomyelitis	22	--	--	6	8	3	5	--	--	8
Rheumatic fever	3	--	--	--	--	1	2	--	--	1
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	118	1	1	1	--	--	14	67	36	83
Tuberculosis—all forms	223	--	--	5	4	16	59	75	64	147
Pulmonary tuberculosis	215	--	--	3	4	15	57	74	62	146
Other communicable diseases	13	--	1	2	3	1	1	1	5	8
Accidents—all forms, total	682	2	19	37	41	88	133	118	265	323
Motor vehicle	246	--	--	5	19	56	70	47	49	117
Home	245	--	15	27	9	3	12	27	167	119
Occupational	64	XXX	XXX	XXX	--	7	28	19	10	37
Public	127	2	4	5	13	22	23	25	39	50
Arteriosclerosis	177	XXX	XXX	XXX	--	--	--	13	164	86
Cancer	1,460	--	--	8	7	10	87	486	861	625
Diabetes	304	--	--	--	--	1	11	84	208	141
Diseases of digestive system, total	386	3	15	28	10	7	36	134	171	186
Appendicitis	35	1	1	5	5	4	4	12	5	15
Cirrhosis of the liver	99	--	1	1	--	--	8	45	45	47
Diarrhea and enteritis	31	1	11	15	1	--	4	4	7	19
Hernia and intestinal obstruction	60	--	1	1	1	--	5	19	34	33
Ulcers of stomach or duodenum	57	1	1	1	--	--	5	23	28	15
Goiter—exophthalmic	12	--	--	--	--	--	--	8	4	5
Heart disease, total	3,729	1	2	4	4	14	127	937	2,642	1,795
Coronary	1,274	--	--	--	--	1	61	468	743	518
Chronic rheumatic	147	--	--	--	1	5	22	41	78	61
Homicide	22	--	--	1	2	6	7	5	1	12
Intracranial lesions of vascular origin	900	--	2	6	2	5	17	162	708	369
Nephritis	483	--	--	4	--	5	16	91	367	245
Prostatic disease	68	--	--	--	--	--	--	5	63	32
Suicide	101	XXX	XXX	XXX	--	9	34	45	13	54
ALL OTHER KNOWN CAUSES	512	12	26	42	26	24	87	120	213	262
CAUSE AS YET UNASSIGNED	6	--	--	1	--	--	3	1	1	5

* Age not reported for 2 deaths.

Northern Area (Region 2)--1940 population: Total 782,703; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, De Kalb, Grundy, Henry, Jo Daviess, Kankakee, Kendall, La Salle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.

TABLE VII. DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA, 1948

(Includes deaths of residents occurring outside Illinois reported up to May 1, 1949)

CAUSE	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	2,407	105	140	155	16	38	200	660	1,333	964
SELECTED CAUSES OF DEATH	2,270	102	129	142	12	33	176	629	1,273	904
Diseases of infancy, total	117	98	108	112	1	--	2	2	--	46
Premature birth	51	50	51	51	XXX	XXX	XXX	XXX	XXX	18
Maternal causes, total	4	XXX	XXX	XXX	--	1	3	--	XXX	--
Puerperal septicemia	1	XXX	XXX	XXX	--	--	1	--	XXX	--
Puerperal toxemia	1	XXX	XXX	XXX	--	--	1	--	XXX	--
Communicable diseases, total	184	2	8	12	3	3	21	58	87	98
Acute respiratory diseases, total	91	2	8	10	--	--	4	19	58	54
Influenza	4	--	1	1	--	--	--	1	2	2
Pneumonia	87	2	7	9	--	--	4	18	56	52
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	1	--	--	1	--	--	--	--	--	--
Meningitis—meningococcus	2	--	--	--	--	--	--	--	--	1
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Polioomyelitis	3	--	--	--	2	1	--	--	--	--
Rheumatic fever	1	--	--	--	1	--	--	--	--	1
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	33	--	--	--	--	--	7	12	14	17
Tuberculosis—all forms	51	--	--	1	--	2	10	23	15	23
Pulmonary tuberculosis	49	--	--	1	--	2	10	21	15	23
Other communicable diseases	2	--	--	--	--	--	--	--	--	2
Accidents—all forms, total	188	1	3	8	5	27	34	44	70	82
Motor vehicle	56	--	--	--	--	19	17	14	6	22
Home	75	1	3	5	2	1	4	11	52	38
Occupational	16	XXX	XXX	XXX	--	3	6	--	--	5
Public	41	--	--	3	3	4	7	12	12	17
Arteriosclerosis	71	XXX	XXX	XXX	--	--	--	--	68	55
Cancer	327	--	--	--	1	--	25	47	179	112
Diabetes	63	--	--	--	--	--	2	11	40	17
Diseases of digestive system, total	111	1	10	10	--	2	13	40	46	35
Appendicitis	10	--	--	--	--	2	3	4	1	4
Cirrhosis of the liver	26	1	1	1	--	--	--	--	12	5
Diarrhea and enteritis	10	--	8	2	--	--	--	--	1	3
Hernia and intestinal obstruction	19	--	--	--	--	--	--	--	12	7
Ulcers of stomach or duodenum	26	--	--	--	--	--	--	15	8	7
Goiter—exophthalmic	4	--	--	--	--	--	--	1	3	1
Heart disease, total	792	--	--	--	2	2	44	236	508	302
Coronary	270	--	--	--	--	--	17	112	141	107
Chronic rheumatic	64	--	--	--	2	1	15	22	27	10
Homicide	14	--	--	--	--	--	--	3	1	6
Intracranial lesions of vascular origin	171	--	--	--	--	--	21	40	122	65
Nephritis	179	--	--	--	--	3	6	34	136	68
Prostatic disease	11	--	--	--	--	--	--	2	9	4
Suicide	28	XXX	XXX	XXX	--	--	--	17	4	13
ALL OTHER KNOWN CAUSES	137	3	11	13	4	5	24	31	60	60
CAUSE AS YET UNASSIGNED	--	--	--	--	--	--	--	--	--	--

Peoria Metropolitan Area (Region 3)--1940 population: Total 211,736; Urban 139,211; Rural 72,525.
Counties: Peoria and Tazewell.

TABLE VIII. DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, 1948

(Includes deaths of residents occurring outside Illinois reported up to May 1, 1949)

CAUSE	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	14,914	561	764	938	135	226	867	3,357	9,391	7,502
SELECTED CAUSES OF DEATH	14,114	548	724	874	110	203	783	3,154	8,990	7,078
Diseases of infancy, total	613	520	579	595	7	3	3	3	2	289
Premature birth	291	286	291	291	xxx	xxx	xxx	xxx	xxx	131
Maternal causes, total	29	xxx	xxx	xxx	--	8	20	1	xxx	14
Puerperal septicemia	10	xxx	xxx	xxx	--	4	6	--	xxx	2
Puerperal toxemia	6	xxx	xxx	xxx	--	--	5	1	xxx	6
Communicable diseases, total	816	15	90	151	23	22	97	190	333	386
Acute respiratory diseases, total	388	15	75	99	6	7	16	47	213	192
Influenza	42	--	7	9	--	--	2	4	27	28
Pneumonia	346	15	68	90	6	7	14	43	186	164
Diphtheria	1	--	--	--	--	1	--	--	--	1
Dysentery—all forms	1	--	--	1	--	--	--	--	--	--
Encephalitis—infectious	3	--	--	--	--	--	--	2	1	1
Measles	39	--	3	25	10	1	3	--	--	13
Meningitis—meningococcus	7	--	1	3	1	--	1	2	--	4
Pertussis (whooping cough)	9	--	5	9	--	--	--	--	--	6
Poliomyelitis	8	--	--	2	2	2	2	--	--	6
Rheumatic fever	6	--	--	2	2	1	1	--	--	3
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	109	--	1	1	--	1	6	55	46	53
Tuberculosis—all forms	225	--	1	5	1	7	64	81	67	94
Pulmonary tuberculosis	203	--	--	1	1	6	57	75	63	89
Other communicable diseases	20	--	4	4	1	2	4	3	6	13
Accidents—all forms, total	1,049	5	16	65	55	107	195	196	431	607
Motor vehicle	362	--	--	20	19	72	97	91	63	217
Home	381	4	14	34	20	2	20	31	274	202
Occupational	100	xxx	xxx	xxx	--	10	33	36	21	62
Public	206	1	2	11	16	23	45	38	73	126
Arteriosclerosis	301	xxx	xxx	xxx	--	--	--	8	293	137
Cancer	2,180	--	1	8	6	22	140	732	1,272	1,067
Diabetes	460	--	--	1	2	2	23	130	302	236
Diseases of digestive system, total	599	4	29	40	6	6	63	196	288	269
Appendicitis	41	--	--	2	3	2	6	13	15	21
Cirrhosis of the liver	144	--	--	--	--	--	18	54	72	55
Diarrhea and enteritis	40	4	23	25	--	1	3	--	11	19
Hernia and intestinal obstruction	128	--	4	8	2	--	7	40	71	57
Ulcers of stomach or duodenum	92	--	--	--	--	1	14	42	35	40
Goiter—exophthalmic	34	--	--	--	--	1	4	12	17	20
Heart disease, total	5,292	1	5	9	4	11	134	1,172	3,962	2,661
Coronary	1,797	--	1	1	1	3	59	611	1,122	909
Chronic rheumatic	255	--	--	1	2	6	33	64	149	145
Homicide	26	3	3	3	--	2	13	5	3	8
Intracranial lesions of vascular origin	1,459	--	--	1	1	4	25	274	1,154	768
Nephritis	994	--	1	1	5	6	29	161	792	472
Prostatic disease	107	--	--	--	--	--	--	10	97	54
Suicide	155	xxx	xxx	xxx	1	9	37	64	44	90
ALL OTHER KNOWN CAUSES	790	13	39	62	23	23	83	201	398	420
CAUSE AS YET UNASSIGNED	10	--	1	2	2	--	1	2	3	4

Central Area (Region 4)—1940 population: Total 1,331,175; Urban 551,587; Rural 779,588. Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Coles, Cumberland, De Witt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.

TABLE IX. DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA, 1948

(Includes deaths of residents occurring outside Illinois reported up to May 1, 1949)

CAUSE	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	3,772	218	280	314	42	85	332	1,063	1,936	1,319
SELECTED CAUSES OF DEATH	3,594	207	263	293	39	78	312	1,013	1,859	1,267
Diseases of infancy, total	217	193	208	212	--	2	2	1	--	76
Premature birth	106	104	106	106	xxx	xxx	xxx	xxx	xxx	40
Maternal causes, total	5	xxx	xxx	xxx	--	--	5	--	xxx	1
Puerperal septicemia	2	xxx	xxx	xxx	--	--	2	--	xxx	--
Puerperal toxemia	--	xxx	xxx	xxx	--	--	--	--	xxx	--
Communicable diseases, total	269	6	22	29	9	14	55	81	81	95
Acute respiratory diseases, total	99	6	14	17	--	1	10	25	46	42
Influenza	11	--	--	--	--	--	1	7	3	4
Pneumonia	88	6	14	17	--	1	9	18	43	38
Diphtheria	1	--	--	--	1	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	5	--	2	3	2	--	--	--	--	4
Meningitis—meningococcus	4	--	--	1	--	--	1	1	1	1
Pertussis (whooping cough)	4	--	3	4	--	--	--	--	--	1
Poliomyelitis	8	--	--	--	5	3	--	--	--	5
Rheumatic fever	1	--	--	--	--	--	1	--	--	1
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	32	--	--	--	--	--	3	16	13	11
Tuberculosis—all forms	110	--	2	3	1	10	39	37	20	28
Pulmonary tuberculosis	101	--	1	1	--	10	34	36	20	27
Other communicable diseases	5	--	1	1	--	--	1	2	1	2
Accidents—all forms, total	295	3	11	26	25	37	55	65	87	112
Motor vehicle	117	--	2	6	13	22	25	27	24	39
Home	86	2	8	15	1	3	4	16	47	45
Occupational	33	xxx	xxx	xxx	--	5	16	10	2	8
Public	59	1	1	5	11	7	10	12	14	20
Arteriosclerosis	72	xxx	xxx	xxx	--	--	--	3	69	40
Cancer	505	--	--	--	2	4	56	202	241	172
Diabetes	90	--	--	--	1	1	4	38	46	28
Diseases of digestive system, total	180	4	18	19	--	5	21	53	82	64
Appendicitis	9	--	--	--	--	--	6	2	1	2
Cirrhosis of the liver	49	--	--	--	--	1	7	19	22	15
Diarrhea and enteritis	20	3	16	17	--	--	--	--	3	6
Hernia and intestinal obstruction	30	--	--	--	--	--	1	13	16	15
Ulcers of stomach or duodenum	22	--	--	--	--	--	2	9	11	7
Goiter—exophthalmic	4	--	--	--	--	--	--	2	2	1
Heart disease, total	1,282	--	2	4	1	8	50	383	836	421
Coronary	312	--	--	--	1	2	20	146	143	101
Chronic rheumatic	58	--	--	--	--	4	10	22	22	13
Homicide	37	1	2	2	--	6	21	7	1	5
Intracranial lesions of vascular origin	350	--	--	--	--	1	13	98	238	144
Nephritis	226	--	--	1	1	--	17	59	148	85
Prostatic disease	20	--	--	--	--	--	--	2	18	6
Suicide	42	xxx	xxx	xxx	--	--	13	19	10	17
ALL OTHER KNOWN CAUSES	177	10	16	20	3	7	20	50	77	52
CAUSE AS YET UNASSIGNED	1	1	1	1	--	--	--	--	--	--

East St. Louis Metropolitan Area (Region 5)--1940 population: Total 316,248; Urban 213,175; Rural 103,073.
Counties: Madison and St. Clair.

TABLE X. DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, 1948

(Includes deaths of residents occurring outside Illinois reported up to May 1, 1949)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	7,301	294	431	526	75	171	475	1,662	4,390	4,568
SELECTED CAUSES OF DEATH	6,881	289	403	486	65	152	426	1,560	4,190	4,296
Diseases of infancy, total	322	276	306	317	2	2	1	--	--	203
Premature birth	133	133	133	133	xxx	xxx	xxx	xxx	xxx	90
Maternal causes, total	17	xxx	xxx	xxx	--	3	12	2	xxx	13
Puerperal septicemia	8	xxx	xxx	xxx	--	1	6	1	xxx	7
Puerperal toxemia	1	xxx	xxx	xxx	--	1	--	--	xxx	--
Communicable diseases, total	465	8	60	85	10	17	69	100	184	298
Acute respiratory diseases, total	200	8	49	58	4	3	12	16	107	121
Influenza	29	--	5	6	--	--	2	1	20	19
Pneumonia	171	8	44	52	4	3	10	15	87	102
Diphtheria	1	--	--	1	--	--	--	--	--	1
Dysentery—all forms	1	--	1	1	--	--	--	--	--	--
Encephalitis—infectious	1	--	--	--	--	--	--	1	--	--
Measles	8	--	2	6	2	--	--	--	--	4
Meningitis—meningococcus	5	--	1	5	--	--	--	--	--	4
Pertussis (whooping cough)	8	--	4	8	--	--	--	--	--	5
Poliomyelitis	4	--	--	1	1	2	--	--	--	2
Rheumatic fever	4	--	--	1	1	1	--	--	1	2
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	57	--	--	--	1	1	9	23	23	40
Tuberculosis—all forms	161	--	--	1	--	10	45	57	48	106
Pulmonary tuberculosis	154	--	--	1	--	8	43	56	46	101
Other communicable diseases	15	--	3	3	1	--	3	3	5	13
Accidents—all forms, total	581	1	13	40	31	90	120	112	186	354
Motor vehicle	190	--	--	4	15	42	68	29	32	123
Home	173	1	11	30	4	4	7	14	114	105
Occupational	85	xxx	xxx	xxx	1	13	25	41	5	46
Public	133	--	2	6	11	31	20	28	35	80
Arteriosclerosis	241	xxx	xxx	xxx	--	--	--	17	224	206
Cancer	942	--	--	3	4	10	66	322	537	528
Diabetes	173	--	--	--	1	3	6	54	109	104
Diseases of digestive system, total	297	4	23	36	9	4	17	91	140	177
Appendicitis	31	--	--	2	6	--	3	8	12	21
Cirrhosis of the liver	68	--	--	--	--	--	1	28	39	31
Diarrhea and enteritis	34	3	20	24	--	1	1	2	6	20
Hernia and intestinal obstruction	62	--	1	3	1	1	5	18	34	42
Ulcers of stomach or duodenum	27	--	--	--	--	--	2	13	12	13
Goiter—exophthalmic	6	--	--	--	--	1	--	1	4	4
Heart disease, total	2,485	--	--	3	6	15	83	573	1,805	1,553
Coronary	724	--	--	--	--	2	33	261	428	433
Chronic rheumatic	113	--	--	--	1	1	16	27	68	70
Homicide	16	--	--	1	--	2	7	3	3	9
Intracranial lesions of vascular origin	785	--	1	1	--	1	16	163	604	503
Nephritis	438	--	--	--	2	2	16	85	333	268
Prostatic disease	48	--	--	--	--	--	--	4	44	26
Suicide	65	xxx	xxx	xxx	--	2	13	33	17	50
ALL OTHER KNOWN CAUSES	417	5	28	40	10	18	48	102	199	269
CAUSE AS YET UNASSIGNED	3	--	--	--	--	1	1	--	1	5

* Age not reported for 2 deaths.

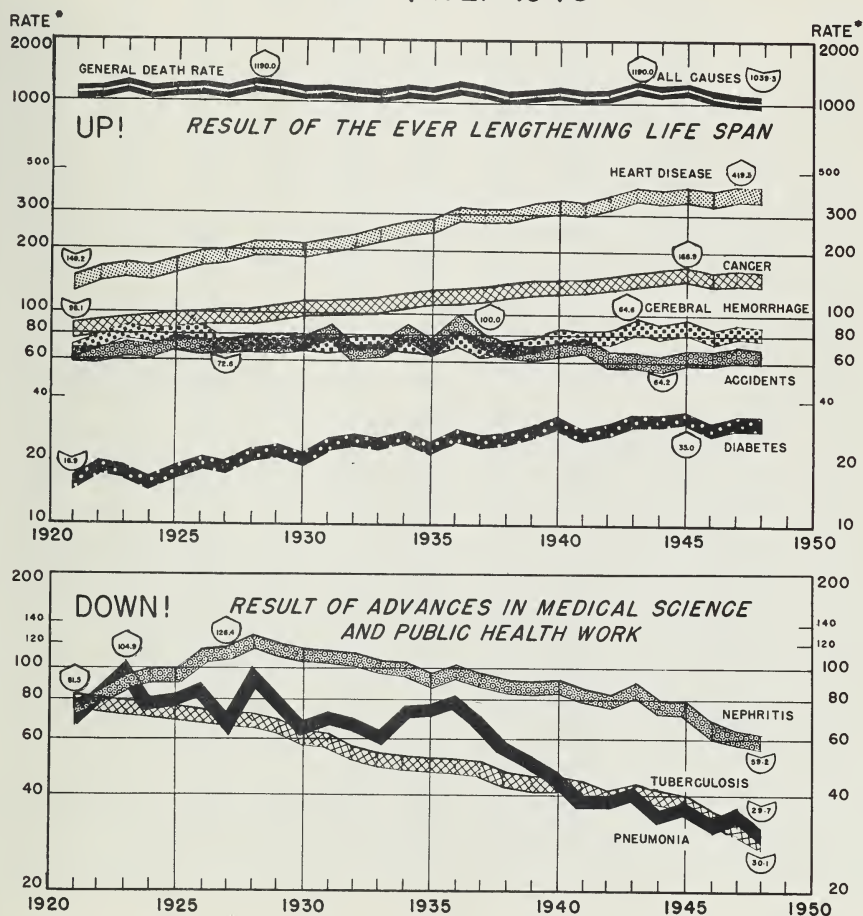
Southern Area (Region 6)—1940 population: Total 723,047; Urban 228,885; Rural 494,162.

Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.

HEALTH TRENDS IN ILLINOIS,

The tables which follow contain the principal vital statistics of the state for the years 1940 to 1948. (For morbidity and mortality in the state from 1921 - 1940, see Health Statistics Bulletin, 1947 Series, No. 4.) The birth and death figures represent all births and deaths that occurred in the state and were registered up to July, 1 of the year following the occurrence. (Exception: the 1948 figures are provisional, based on reports received before May 1, 1949). The figures on communicable disease cases cover all reports of notifiable diseases within the state. Tuberculosis figures since 1942 are not quite comparable to those for prior years, because in 1942 and later only new cases are counted. In 1942 a central register was established for screening out subsequent reports of the same case.

THE TREND OF DEATH RATES FOR LEADING CAUSES ILLINOIS, 1921-1948



*Deaths per 100,000 inhabitants of the state.

BASIC HEALTH STATISTICS: ILLINOIS, 1940 - 1948

TABLE I. NUMBER OF BIRTHS, DEATHS, AND REPORTED CASES

(Deaths are those occurring within the State. Cases are those reported to Illinois health officers.)

	International List Number 5th revision 1939	1940	1941	1942	1943	1944	1945	1946	1947	1948*
POPULATION (As of July 1)		7,906,514	7,943,608	7,904,164	7,595,255	7,630,000	7,721,000	8,028,453	8,397,000	8,670,000
LIVE BIRTHS		123,211	134,447	154,075	152,670	138,805	135,042	171,282	192,420	180,987
DEATHS - ALL CAUSES		88,253	85,552	86,707	90,714	87,144	89,204	88,429	92,398	89,850
MATERNAL AND INFANT DEATHS										
Maternal causes		359	331	292	309	254	251	230	200	148
Stillbirths	140 - 150	3,162	3,197	3,389	3,389	3,049	2,927	3,645	3,625	3,275
Neonatal deaths	All causes	2,961	3,146	3,548	3,409	3,023	2,958	3,916	4,185	3,705
Infant deaths	All causes	4,331	4,564	5,075	5,070	4,496	4,300	5,181	5,257	5,000
Premature birth	159	1,510	1,515	1,792	1,683	1,310	1,361	1,954	1,971	1,903
Diarrhea and enteritis (Under 2 yrs.)	119	199	259	234	260	191	204	181	170	168
EXTERNAL CAUSES										
Accidents - all forms	169 - 195	5,845	6,097	5,202	4,985	4,899	5,214	5,537	5,843	5,623
Motor vehicle accidents	170	2,315	2,566	1,650	1,283	1,317	1,547	1,825	1,942	1,919
Homicide	165 - 168	343	352	352	293	232	243	221	421	490
Suicide	163 - 164	1,154	1,043	937	812	755	846	937	954	874
GENERAL CAUSES										
Appendicitis	121	824	708	538	509	501	399	352	308	267
Arteriosclerosis	97	1,364	1,278	1,286	1,512	1,525	1,624	1,588	1,439	1,375
Cancer	45 - 55	11,510	11,590	11,815	12,142	12,482	12,865	12,909	13,446	13,674
Cerebral Hemorrhage †	83	6,744	6,294	6,736	7,186	6,759	7,235	7,057	7,421	7,125
Cirrhosis of the liver	124	862	844	908	884	866	895	981	1,159	1,188
Diabetes mellitus	61	2,632	2,283	2,448	2,558	2,605	2,700	2,543	2,736	2,784
Diarrhea and enteritis (Over 2 yrs.)	120	225	178	154	135	126	98	96	102	148
Diseases of infancy, total	157 - 161	3,073	3,269	3,698	3,616	3,307	3,201	4,167	4,438	4,038
Goiter	636	285	252	250	233	221	224	201	177	164
Heart Disease	90 - 95	27,614	27,005	29,126	31,322	30,680	31,891	31,422	34,235	33,787
Hernia and intestinal obstruction	122	764	810	793	517	853	760	732	703	655
Nephritis	130 - 132	7,241	6,835	6,539	6,840	6,107	6,132	5,593	5,237	5,048
Prostatic disease	137	560	588	588	634	650	558	585	579	525
Stomach, duodenal ulcers	117	559	561	583	620	619	594	538	604	633
COMMUNICABLE DISEASES										
Chickenpox-----Deaths	38e	3	6	6	3	6	8	6	3	6
Cases		18,053	16,167	13,618	12,648	16,498	10,510	11,717	14,272	15,926
Diphtheria-----Deaths	10	86	58	63	78	23	15	31	12	10
Cases		956	940	815	587	315	194	469	169	87
Dysentery-----Deaths	27	47	35	29	34	28	24	22	26	16
Cases †		207	256	453	152	204	324	236	326	502
Encephalitis-----Deaths	37	24	25	24	28	33	42	22	24	19
Cases †		71	110	71	63	68	67	60	67	65
Influenza-----Deaths	33	645	510	373	630	523	342	242	243	132
Cases		1,124	1,402	608	2,096	1,439	1,018	345	1,125	172
Malaria-----Deaths	28	18	15	9	4	8	2	6	1	3
Cases		199	127	122	23	6	37	11	8	8
Measles-----Deaths	35	14	88	36	55	85	10	52	9	84
Cases		8,669	57,075	10,060	29,694	19,451	7,930	25,995	8,341	41,901
Meningitis (Meningococcus)-Deaths	6	14	17	27	151	186	134	75	45	55
Cases		50	69	90	793	996	611	363	204	214
Mumps-----Deaths	44c	4	2	5	3	4	3	1	--	2
Cases		6,409	15,063	7,388	7,108	6,268	7,205	5,290	6,492	11,749
Paratyphoid-----Deaths	2	3	2	1	1	1	1	1	1	3
Cases		19	14	11	13	9	9	10	6	10
Pneumonia, all forms-----Deaths	107 - 109	3,758	3,180	3,173	3,184	2,748	2,911	2,796	3,037	2,579
Cases		14,592	12,420	11,359	11,419	8,567	6,813	6,287	4,754	5,070
Poliomyelitis-----Deaths	36	54	22	34	152	34	104	62	75	65
Cases		581	374	487	1,376	560	1,104	2,554	860	1,104
Rabies-----Deaths	38b	1	1	1	1	2	2	1	--	--
Cases		1	1	1	1	2	2	1	--	--
Rheumatic fever (acute)-----Deaths	58	134	106	78	76	71	73	62	47	42
Cases †		#	#	#	#	399	275	320	186	157
Rocky Mt. spotted fever-----Deaths	39c	4	4	2	2	1	--	4	3	2
Cases		18	19	25	12	13	18	41	31	17
Scarlet fever-----Deaths	8	27	42	23	28	27	27	10	--	--
Cases		20,814	11,585	7,754	6,989	11,731	10,521	6,397	4,063	4,512
Smallpox-----Deaths	6	--	--	--	--	--	--	--	--	--
Cases		167	102	60	68	12	12	6	2	--
Tetanus-----Deaths	12	28	25	30	20	17	11	7	9	--
Cases		42	32	38	44	30	32	37	30	20
Tuberculosis, all forms-----Deaths	13 - 22	3,654	3,474	3,249	3,240	3,125	3,119	2,958	2,770	2,609
Cases		8,574	9,412	9,415	8,740	7,967	6,505	6,587	7,772	6,988
Tularemia-----Deaths	26a	23	6	1	10	9	9	9	10	12
Cases		272	106	67	55	91	131	98	124	57
Typhoid fever-----Deaths	1	33	18	10	12	9	9	9	5	3
Cases		310	280	253	121	102	87	106	131	93
Undulant fever-----Deaths	5	5	10	7	4	3	1	5	3	--
Cases		155	217	265	306	322	324	478	554	513
Whooping cough-----Deaths	9	65	90	95	98	42	53	30	41	26
Cases		6,411	7,707	11,759	7,459	3,194	4,106	5,451	4,795	2,202
VENERAL DISEASES										
Gonococcus infection-----Deaths	25	16	13	10	2	8	6	7	4	4
Cases		17,281	19,249	20,606	21,580	22,580	27,117	37,956	32,794	28,725
Syphilis-----Deaths	30	1,014	951	840	851	843	792	747	676	596
Cases		21,979	23,484	28,678	28,680	25,165	21,675	23,701	19,360	17,005

* 1948 figures are provisional.

† Intracranial lesions of vascular origin.

‡ Ambiguous carriers, included in the dysentery group for 1945 to 1948.

§ The regulation requiring the reporting of cases of rheumatic fever in downstate Illinois only, went into effect July 1, 1943.

Not available.

BASIC HEALTH STATISTICS: ILLINOIS, 1940 - 1948

TABLE II. NATALITY, MORBIDITY, AND MORTALITY RATES

(Based on deaths occurring within the State and cases reported to Illinois health officers. The birth rate and the rate for Mortality all causes are per 1,000 population. Maternal and infant causes except Diarrhea and enteritis are per 1,000 live births. All other rates are per 100,000 population. Population estimated for each year as of July 1.)

	International List Number 5th revision 1939	1940	1941	1942	1943	1944	1945	1946	1947	1948*
LIVE BIRTHS		15.6	16.9	19.5	20.1	18.2	17.5	21.3	22.9	20.9
DEATHS - ALL CAUSES		11.2	10.8	11.0	11.9	11.4	11.6	11.0	11.0	10.4
MATERNAL AND INFANT CAUSES										
Maternal causes										
Stillbirths	140 - 150	2.9	2.5	1.9	2.0	1.8	1.9	1.3	1.0	0.8
Neonatal mortality	All causes	25.7	23.6	22.0	22.2	22.0	21.9	21.3	18.8	18.1
Infant mortality	All causes	24.0	23.4	22.0	22.3	21.8	21.9	22.9	21.7	20.5
Premature birth	159	35.2	33.9	32.9	33.2	32.4	31.8	30.2	28.9	27.6
Diarrhea and enteritis (Under 2 yrs.)	119	12.3	11.3	11.6	11.0	9.4	10.1	11.4	10.2	10.5
		2.5	3.3	3.0	3.4	2.5	2.6	2.3	2.0	1.9
EXTERNAL CAUSES										
Accidents - all forms	169 - 195	73.9	76.8	65.8	65.7	64.2	67.5	69.0	69.6	64.9
Motor vehicle accidents	170	29.3	32.3	20.9	16.9	17.3	20.0	22.7	25.1	22.1
Homicide	165 - 168	4.3	4.6	4.5	3.9	4.1	4.6	5.9	5.0	5.7
Suicide	163 - 164	14.6	13.1	11.9	10.7	9.9	11.0	11.7	11.4	10.1
GENERAL CAUSES										
Appendicitis	121	10.4	8.9	6.8	6.7	6.6	5.2	4.4	3.7	3.1
Arteriosclerosis	97	17.3	16.1	16.3	19.9	20.0	21.0	19.0	17.1	15.9
Cancer	45 - 55	143.0	145.9	149.5	159.9	163.6	166.6	160.8	160.1	157.7
Cerebral hemorrhage †	83	85.5	83.0	85.2	94.6	88.6	93.7	87.9	88.4	82.2
Cirrhosis of the liver	124	10.4	10.6	11.5	11.6	11.3	11.6	12.2	13.8	13.7
Diabetes Mellitus	61	33.3	28.7	31.0	33.7	34.1	35.0	31.7	32.6	32.1
Diarrhea and enteritis (Over 2 yrs.)	120	2.8	2.2	1.7	1.7	1.7	1.3	1.2	1.2	0.9
Diseases of infancy, total	157 - 161	38.9	41.2	46.8	47.6	43.3	41.5	51.9	52.9	46.6
Gout	63b	5.2	5.2	5.2	5.1	2.9	2.9	2.5	2.1	1.9
Heart Disease	90 - 95	349.3	340.0	368.5	412.5	402.1	413.0	391.4	407.7	389.7
Hernia and intestinal obstruction	122	9.7	10.2	10.0	10.8	10.9	9.8	9.1	8.4	7.6
Nephritis	130 - 132	91.6	86.0	82.7	90.1	80.0	79.4	69.7	62.4	58.2
Prostatic disease	137	7.8	7.0	7.4	8.3	8.5	7.2	7.3	6.9	6.1
Stomach, duodenal ulcers	117	7.1	8.2	7.4	8.2	8.1	7.7	6.7	7.2	7.3
COMMUNICABLE DISEASES										
Chickentox-----Deaths	38e	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1
Diphtheria-----Deaths	10	228.3	203.5	172.3	166.6	216.2	136.1	145.9	170.0	183.7
Dysentery-----Deaths	27	0.6	0.4	0.7	0.4	4.1	2.5	5.8	2.0	1.0
Encephalitis-----Deaths	37	0.3	0.3	0.3	0.4	0.4	0.5	0.3	0.3	0.2
Influenza-----Deaths	33	8.2	6.4	4.9	1.1	1.0	0.9	0.7	0.7	0.9
Malaria-----Deaths	28	14.2	17.6	7.7	27.6	18.9	13.2	4.3	13.9	1.5
Measles-----Deaths	35	0.2	1.6	1.2	1.6	0.3	0.1	0.5	0.1	0.1
Meningitis (Meningococcus)-----Deaths	6	109.6	718.5	127.3	391.1	254.9	102.7	323.8	99.3	483.3
Mumps-----Deaths	44c	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Paratyphoid-----Deaths	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pneumonia, all forms-----Deaths	107 - 109	47.3	40.0	40.1	41.9	36.1	37.7	34.8	36.2	29.7
Poliomyelitis-----Deaths	36	0.7	0.3	0.4	2.0	0.4	1.2	2.1	0.3	0.7
Rabies-----Deaths	38b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rheumatic fever (acute)-----Deaths	58	1.7	1.3	1.0	1.0	0.9	0.9	0.8	0.6	0.5
Rocky Mt. spotted fever-----Deaths	39c	0.1	0.1	0.0	0.0	5.2	3.6	4.0	2.2	1.8
Scarlet fever-----Deaths	8	0.8	0.5	0.4	0.3	0.4	0.3	0.1	0.0	0.0
Smallpox-----Deaths	6	263.3	145.8	98.1	92.0	153.7	136.3	79.7	48.4	52.0
Tetanus-----Deaths	12	0.4	0.3	0.4	0.4	0.2	0.2	0.1	0.1	0.1
Tuberculosis-----Deaths	13 - 22	108.4	118.5	119.1	115.1	104.4	81.7	82.0	92.6	80.4
Tularemia-----Deaths	26a	0.3	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0
Typhoid fever-----Deaths	1	0.4	0.3	0.2	0.1	0.2	0.1	0.1	0.1	0.0
Undulant fever-----Deaths	5	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0
Whooping cough-----Deaths	9	0.8	1.1	1.2	1.3	0.6	0.7	0.4	0.5	0.3
GENERAL DISEASES										
Gonococcus Infection-----Deaths	25	0.2	0.2	0.1	0.0	0.1	0.1	0.1	0.0	0.0
Syphilis-----Deaths	30	218.6	242.3	260.7	248.2	295.9	351.2	472.8	390.5	331.3

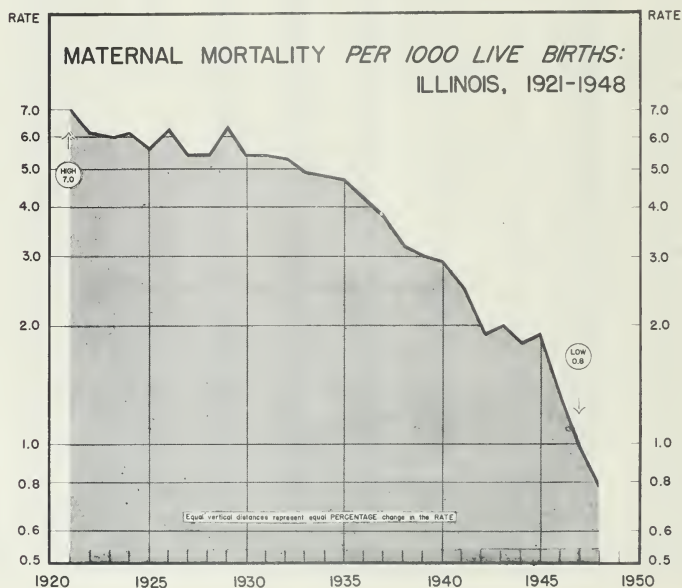
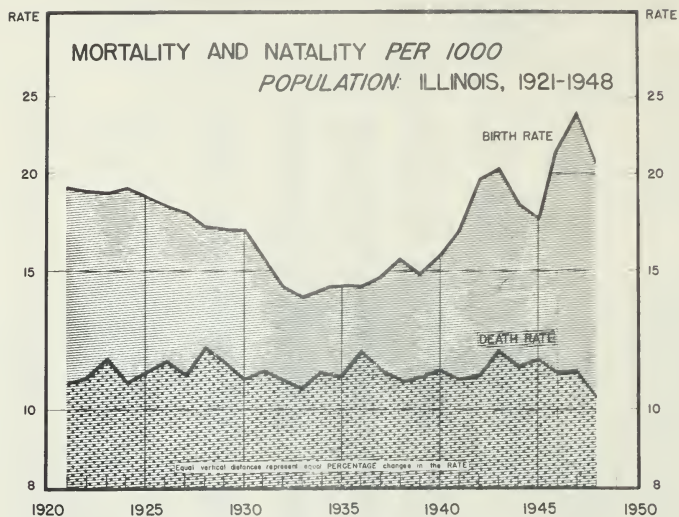
* 1948 figures are provisional.

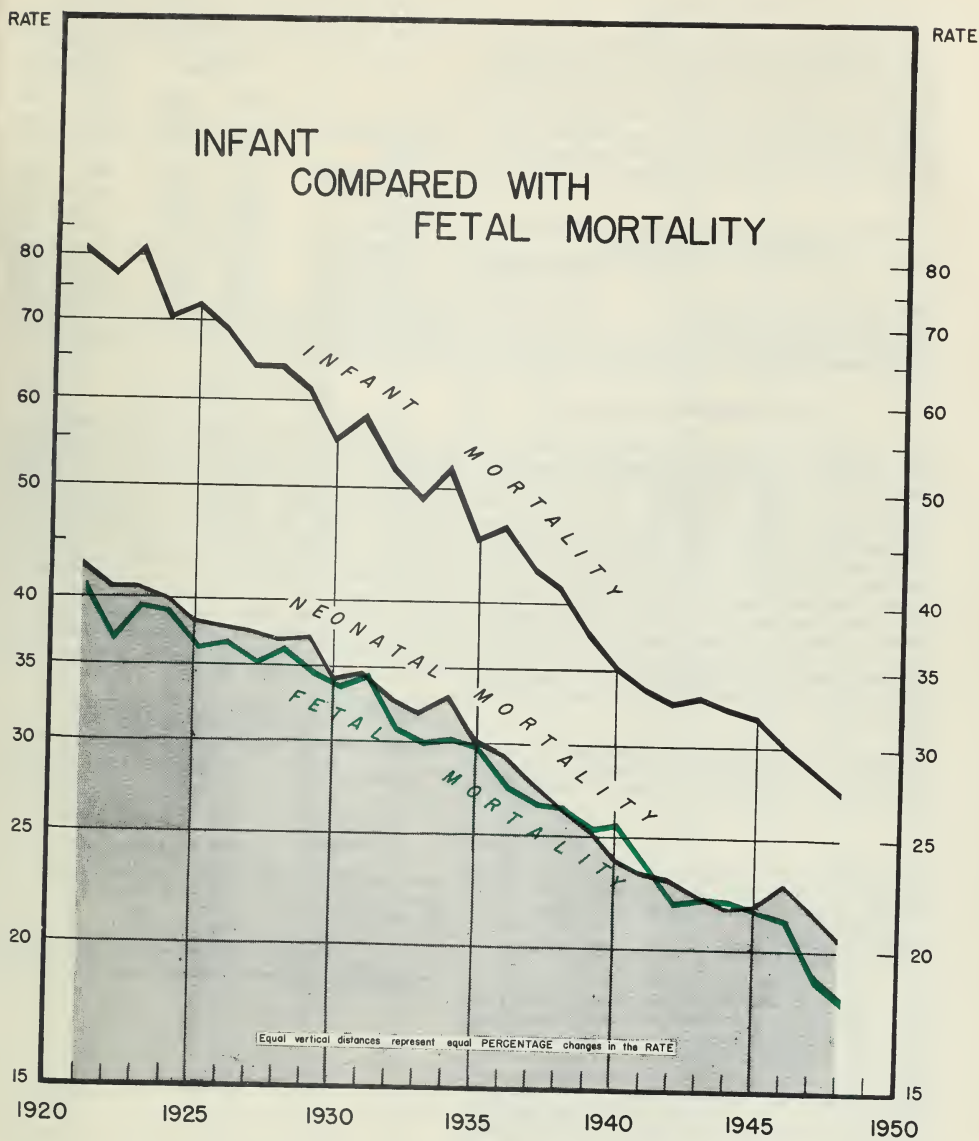
† Intracranial lesions of vascular origin.

‡ Amebiasis carriers, included in the dysentery group for 1945 to 1948.

§ The regulation requiring the reporting of cases of rheumatic fever in downstate Illinois only, went into effect July 1, 1943.

Not available.





VITAL STATISTICS IN THE FIRST NINE MONTHS 1948

LOW MORTALITY

There were 3,000 fewer deaths recorded from January through September of 1948 than during the same period of 1947 despite the fact that Illinois has more people now than at any time in her history. Consequently, the crude death rate for the nine month period is only 10.3 per thousand population. This represents a drop of 7 per cent from the rate of 11.1 for the corresponding period of 1947.

TABLE A - BIRTH AND DEATH RATES FOR THE FIRST NINE MONTHS

	1948	1947
LIVE BIRTHS per 1,000 population	20.4	23.0
DEATHS per 1,000 population	10.3	11.1

Note: Rates are expressed as their ANNUAL equivalents, based on estimates of Illinois' population as follows: May 15, 1948 - 8,635,875; May 15, 1947 - 8,350,932.

SLIGHT INCREASE IN BIRTHS

During the first seven months of 1948, the birth rate was consistently and significantly lower than the corresponding monthly rates for 1947. However, the eighth and ninth months saw 1948 birth rates closing up on 1947 birth rates. We know that new family formation, as reflected by marriage rates, has leveled off at somewhat below the peak that led to the great 1947 boom in births. It also appears that the many new families formed after the war are beginning to have their second and third children. There is reason to believe that the growth of new families started shortly after the end of the war plus the fact that prosperity has continued is responsible for the maintenance of birth rates at their present levels.

TABLE B - FETAL, INFANT, AND MATERNAL MORTALITY RATES, FIRST NINE MONTHS

	Per 1,000 live births	
	1948	1947
FETAL MORTALITY (Stillbirths)	18.2	19.0
NEONATAL MORTALITY (under 1 month)	20.7	22.2
INFANT MORTALITY (under 1 year)	27.8	29.6
Premature birth	10.7	10.4
MATERNAL MORTALITY	1.0	1.1

The U. S. Bureau of the Census in August 1948 released estimates¹ of Illinois population that apparently represent a correction of earlier underestimates of the situation in Illinois. This upward adjustment exceeds the normal growth and as a result, vital statistics rates for the last half of 1948 tend to be generally lower than those for 1947 and the first six months of 1948. With this bias throughout the rates any diminution in a quoted rate must be interpreted with caution.

1. The State's population was estimated at 8,397,000 as of July 1, 1947, and 8,670,000 as of July 1, 1948.

TABLE C - MORTALITY FROM THE TEN LEADING CAUSES, FIRST NINE MONTHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1948	1947	1948	1947
1. Heart disease	25,011	25,646	386.2	409.5
2. Cancer	10,061	9,968	155.3	159.2
3. Cerebral hemorrhage*	5,227	5,539	80.7	88.4
4. All accidents	4,089	4,331	63.1	69.1
5. Nephritis	3,810	3,954	58.8	63.1
6. Diabetes	2,028	2,035	31.3	32.5
7. Influenza and pneumonia	1,983	2,507	30.6	40.0
8. Tuberculosis	1,978	2,140	30.5	34.2
9. Premature birth	1,411	1,497	21.8	23.9
10. Arteriosclerosis	1,002	1,091	15.5	17.4

* Intracranial lesions of vascular origin

Note: Rates are expressed as their annual equivalents. For change in figures on accidents see footnote to Table D.

POLIO MORTALITY UP

There were twice as many deaths from poliomyelitis in the first nine months of 1948 than in the same period of 1947. However, the 39 deaths recorded during the first nine months of 1948 is less than one-third the total of 121 deaths from polio for 1946, the most recent epidemic year. However, in 1948 there was a wider geographic distribution of the disease than in 1947. In the first nine months of 1948 there has been one or more deaths from polio recorded in each of the six regions of the state, whereas in 1947 both Region 3 (Peoria Metropolitan Area) and Region 5 (East St. Louis Metropolitan Area) escaped having a single death during the period.

TABLE D - ACCIDENTAL DEATHS FOR THE FIRST NINE MONTHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1948	1947	1948	1947
ALL ACCIDENTS	4,089	4,331	63.1	69.1
Motor vehicle	1,389	1,327	21.4	21.2
Home accidents	1,326	1,377	20.5	22.0
Occupational	370	529	5.7	8.4
Public accidents	1,004	1,098	15.5	17.5

Note: Rates are expressed as their annual equivalents. The rates in this table have been corrected to include all coroner's permanent certificates (that supersede temporary certificates on which no cause of death is assigned) received up to May 1, 1949.

TABLE 1. LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE,
FIRST NINE MONTHS, 1948
(All registrations within the State)

County of Occurrence	Estimated Civilian Population*	Live Births	Still-births	Deaths	County of Occurrence	Estimated Civilian Population*	Live Births	Still-births	Deaths
Entire State	8,635,875	132,105	2,402	66,467	La Salle	106,936	1,730	45	800
Chicago	3,744,875	55,944	1,072	27,949	Lawrence	21,078	88	5	110
Downstate	4,891,000	76,161	1,330	38,518	Lee	37,322	534	10	353
					Livingston	41,514	552	13	342
Adams	71,100	1,207	16	629	Logan	31,784	394	7	306
Alexander	27,872	580	15	267	McDonough	28,919	515	11	249
Bond	14,510	19	--	60	McHenry	38,306	560	11	310
Boone	16,340	327	4	156	McLean	80,282	1,421	28	640
Brown	7,865	31	--	49	Macon	93,231	1,958	31	761
Bureau	37,901	568	10	283	Macoupin	46,830	213	6	291
Calhoun	7,983	54	1	37	Madison	165,022	2,854	55	1,249
Carroll	18,095	242	3	149	Marion	52,011	839	11	333
Cass	16,603	283	4	141	Marshall	13,197	7	--	46
Champaign	76,868	1,886	34	584	Mason	15,414	25	--	72
Christian	41,663	624	14	283	Massac	14,970	108	3	104
Clark	18,565	49	--	117	Menard	10,609	28	1	38
Clay	18,932	98	1	76	Mercer	17,628	12	2	77
Clinton	23,213	299	7	138	Monroe	12,660	7	--	63
Coles	41,841	731	12	315	Montgomery	37,134	700	11	362
Cook	4,533,731	68,400	1,269	34,375	Morgan	39,461	619	12	552
Crawford	21,361	320	4	199	Moultrie	13,462	23	1	97
Cumberland	11,441	31	1	67	Ogle	30,198	280	5	196
De Kalb	37,137	800	8	330	Peoria	169,848	3,525	52	1,527
De Witt	18,349	172	3	121	Perry	25,330	384	9	150
Douglas	17,758	287	8	135	Piatt	14,586	140	--	97
Du Page	114,684	1,433	21	736	Pike	25,080	292	2	176
Edgar	26,142	345	7	201	Pope	7,714	47	--	36
Edwards	8,951	45	--	51	Pulaski	15,868	107	2	117
Effingham	22,313	679	10	220	Putnam	5,289	2	--	13
Fayette	28,837	422	9	180	Randolph	34,006	509	6	227
Ford	15,134	203	1	97	Richland	18,288	488	10	226
Franklin	58,124	505	10	340	Rock Island	125,508	2,377	42	1,074
Fulton	48,067	616	14	335	St. Clair	184,872	3,086	59	1,431
Gallatin	11,410	102	1	57	Saline	41,370	727	9	300
Greene	20,311	331	7	110	Sangamon	129,715	2,480	40	1,215
Grundy	18,750	234	7	120	Schuyler	11,160	76	2	64
Hamilton	13,092	173	3	78	Scott	8,078	6	--	30
Hancock	26,106	139	2	157	Shelby	26,007	259	3	173
Hardin	7,720	97	1	44	Stark	8,842	2	--	27
Henderson	8,849	17	1	32	Stephenson	44,088	907	17	410
Henry	47,374	749	12	382	Tazewell	63,865	756	16	314
Iroquois	32,403	424	11	196	Union	21,526	312	9	354
Jackson	41,029	784	12	292	Vermilion	95,096	1,540	22	815
Jasper	13,009	35	--	61	Wabash	13,920	96	2	113
Jefferson	36,825	667	13	262	Warren	22,797	436	9	179
Jersey	13,742	43	2	78	Washington	15,538	31	1	68
Jo Daviess	19,975	32	1	141	Wayne	21,736	164	3	98
Johnson	10,424	74	1	62	White	20,066	162	1	130
Kane	144,066	3,373	46	1,626	Whiteside	46,992	883	14	309
Kankakee	66,614	1,089	19	1,108	Will	125,856	2,010	37	918
Kendall	11,089	3	--	73	Williamson	56,158	736	15	462
Knox	57,002	926	13	425	Winnebago	134,198	2,557	55	964
Lake	134,160	2,967	57	1,030	Woodford	19,180	26	2	94

* Estimated population as of May 15, 1948.

TABLE II. ALL DEATHS IN ILLINOIS ACCORDING TO CAUSE, FIRST NINE MONTHS, 1948
(All registrations within the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	66,467	2,725	3,678	4,311	582	1,188	5,404	30,343	24,615	14,242
SELECTED CAUSES OF DEATH	63,427	2,670	3,488	4,024	488	1,064	4,892	29,449	23,490	13,556
Diseases of infancy, total	2,977	2,531	2,819	2,890	25	15	24	21	2	218
Premature birth	1,411	1,389	1,411	1,411	--	--	--	--	--	83
Maternal causes, total	134	xxx	xxx	xxx	--	39	90	5	--	13
Puerperal septicemia	41	xxx	xxx	xxx	--	9	31	1	--	3
Puerperal toxemia	26	xxx	xxx	xxx	--	7	18	1	--	3
Communicable diseases, total	4,724	103	423	623	110	180	924	1,497	1,390	1,359
Acute respiratory diseases, total	1,983	101	362	450	28	17	170	471	847	394
Influenza	102	--	15	23	--	2	8	15	54	28
Pneumonia	1,881	101	347	427	28	15	162	456	793	366
Diphtheria	7	--	--	2	--	2	1	--	2	2
Dysentery—all forms	8	--	2	3	--	--	1	--	4	2
Encephalitis—infectious	14	--	2	2	1	--	3	6	2	5
Measles	83	--	11	51	25	2	5	--	--	15
Meningitis—meningococcus	40	--	8	19	6	2	4	7	2	6
Pertussis (whooping cough)	23	--	15	23	--	--	--	--	--	6
Poliomyelitis	39	--	1	8	16	9	6	--	--	6
Rheumatic fever	34	--	--	4	13	6	6	4	1	4
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	445	2	3	3	--	3	59	227	153	191
Tuberculosis—all forms	1,978	--	13	49	17	135	651	764	362	715
Pulmonary tuberculosis	1,804	--	2	13	8	118	598	721	346	688
Other communicable diseases	70	--	6	9	4	4	18	18	17	13
Accidents—all forms, total	4,089	11	81	224	223	470	728	991	1,449	984
Motor vehicle	1,389	--	3	52	88	286	348	360	255	416
Home	1,326	6	68	140	47	25	87	190	834	247
Occupational	370	xxx	xxx	xxx	--	42	122	166	40	99
Public	1,004	5	10	32	88	117	171	275	320	222
Arteriosclerosis	1,002	xxx	xxx	xxx	--	--	2	75	925	466
Cancer	10,061	--	1	30	25	67	767	4,221	4,948	1,778
Diabetes	2,028	--	1	3	9	12	64	742	1,197	331
Diseases of digestive system, total	2,848	17	141	201	45	40	361	1,139	1,062	363
Appendicitis	185	1	1	10	17	14	34	64	46	8
Cirrhosis of the liver	866	1	11	14	3	1	139	414	295	136
Diarrhea and enteritis	174	13	99	117	3	4	13	10	27	30
Hernia and intestinal obstruction	491	--	17	27	7	4	36	179	238	58
Ulcers of stomach or duodenum	466	1	2	2	2	3	53	218	188	41
Goiter—exophthalmic	126	--	--	--	--	4	15	58	49	22
Heart disease, total	25,011	2	7	22	31	86	1,172	17,904	5,786	5,601
Coronary	6,319	--	--	--	2	11	311	2,709	3,282	1,578
Chronic rheumatic	1,129	--	--	2	18	34	220	433	422	230
Homicide	344	6	8	9	4	60	188	68	15	35
Intracranial lesions of vascular origin	5,227	--	4	9	3	20	158	1,440	3,595	1,298
Nephritis	3,810	--	3	13	12	40	220	943	2,582	840
Prostatic disease	381	--	--	--	--	--	--	52	329	42
Suicide	665	xxx	xxx	xxx	1	31	179	293	161	206
ALL OTHER KNOWN CAUSES	2,994	55	189	285	93	119	500	883	1,113	674
CAUSE AS YET UNASSIGNED	46	--	1	2	1	5	12	11	12	12

* Age not reported for 24 deaths.

ENTIRE STATE--1940 population: Total 7,897,241; Urban 5,809,650; Rural 2,087,591.

For a detailed discussion of the 6 principal geographic Regions of the State see Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1946."

TABLE III. DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, FIRST NINE MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	37,809	1,587	2,101	2,418	285	589	3,442	13,481	17,586	2,621
SELECTED CAUSES OF DEATH	36,267	1,561	1,997	2,259	239	526	3,139	12,947	17,150	2,524
Diseases of infancy, total	1,713	1,471	1,633	1,665	11	8	16	13	--	111
Premature birth	846	831	846	846	xxx	xxx	xxx	xxx	xxx	56
Maternal causes, total	67	xxx	xxx	xxx	--	24	41	2	xxx	4
Puerperal septicemia	18	xxx	xxx	xxx	--	5	13	--	xxx	1
Puerperal toxemia	17	xxx	xxx	xxx	--	6	11	--	xxx	2
Communicable diseases, total	2,881	76	241	339	63	117	655	1,011	696	179
Acute respiratory diseases, total	1,173	75	214	262	18	8	122	333	430	81
Influenza	23	--	2	7	--	2	3	3	8	2
Pneumonia	1,150	75	212	255	18	6	119	330	422	79
Diphtheria	5	--	--	1	--	2	--	--	2	1
Dysentery—all forms	5	--	1	2	--	--	--	--	3	1
Encephalitis—infectious	8	--	1	1	--	--	2	4	1	1
Measles	21	--	1	11	10	--	--	--	--	--
Meningitis—meningococcus	26	--	6	12	5	1	3	4	1	3
Pertussis (whooping cough)	4	--	4	4	--	--	--	--	--	--
Poliomyelitis	11	--	1	1	4	3	3	--	--	1
Rheumatic fever	23	--	--	2	10	4	4	3	--	2
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	186	1	1	1	--	1	29	100	55	33
Tuberculosis—all forms	1,382	--	10	38	13	97	479	557	198	56
Pulmonary tuberculosis	1,251	--	2	10	4	85	440	525	187	50
Other communicable diseases	37	--	2	4	3	1	13	10	6	--
Accidents—all forms, total	1,948	4	42	111	96	163	311	582	684	158
Motor vehicle	591	--	--	24	33	88	128	193	125	60
Home	633	2	39	76	22	15	51	123	345	53
Occupational	154	xxx	xxx	xxx	--	10	42	86	16	10
Public	570	2	3	11	41	50	90	180	198	35
Arteriosclerosis	365	xxx	xxx	xxx	--	--	2	39	324	95
Cancer	6,041	--	--	14	12	31	480	2,814	2,689	305
Diabetes	1,229	--	1	2	4	8	30	513	672	67
Diseases of digestive system, total	1,693	6	68	100	26	21	255	758	533	100
Appendicitis	96	1	1	8	7	7	17	33	24	4
Cirrhosis of the liver	595	--	9	12	3	--	114	311	155	27
Diarrhea and enteritis	71	3	41	48	2	3	7	5	6	8
Hernia and intestinal obstruction	265	1	10	15	4	2	23	104	117	29
Ulcers of stomach or duodenum	300	--	1	1	2	2	35	144	116	13
Goiter—exophthalmic	85	--	--	--	--	4	11	42	28	8
Heart disease, total	14,835	--	2	8	17	44	846	5,420	8,496	1,139
Coronary	3,068	--	--	--	--	3	173	1,525	1,365	226
Chronic rheumatic	647	--	--	1	13	20	156	283	174	29
Homicide	255	4	5	5	2	50	140	49	9	4
Intracranial lesions of vascular origin	2,530	--	3	6	2	11	93	886	1,531	168
Nephritis	2,077	--	2	9	6	28	167	632	1,235	146
Prostatic disease	196	--	--	--	--	--	--	33	163	13
Suicide	352	xxx	xxx	xxx	--	17	92	153	90	27
ALL OTHER KNOWN CAUSES	1,518	26	104	159	45	59	293	528	433	93
CAUSE AS YET UNASSIGNED	24	--	--	--	1	4	10	6	3	4

* Age not reported for 8 deaths.

Chicago Metropolitan Area (Region 1)--1940 population: Total 4,532,332; Urban 4,256,601; Rural 275,731.
Counties: Cook, Du Page, Kane, Lake and Will.
(See maphead for map of state by Regions.)

TABLE IV. DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, FIRST NINE MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	7,104	284	390	471	87	146	482	1,751	4,163	3,409
SELECTED CAUSES OF DEATH	6,757	275	371	443	71	128	413	1,672	4,026	3,228
Diseases of infancy, total	325	263	304	317	5	1	1	1	--	148
Premature birth	138	137	138	138	xxx	xxx	xxx	xxx	xxx	52
Maternal causes, total	8	xxx	xxx	xxx	--	3	5	--	xxx	4
Puerperal septicemia	3	xxx	xxx	xxx	--	1	2	--	xxx	1
Puerperal toxemia	1	xxx	xxx	xxx	--	--	1	--	xxx	--
Communicable diseases, total	553	7	40	64	11	19	90	173	196	339
Acute respiratory diseases, total	249	6	33	46	2	2	19	65	115	144
Influenza	11	--	2	3	--	--	3	2	3	3
Pneumonia	238	6	31	43	2	2	16	63	112	141
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	3	--	1	1	--	--	1	--	1	2
Encephalitis—infectious	3	--	1	1	1	--	1	--	--	2
Measles	8	--	2	4	1	1	2	--	--	3
Meningitis—meningococcus	1	--	--	--	--	--	--	1	--	1
Pertussis (whooping cough)	2	--	1	2	--	--	--	--	--	1
Polioomyelitis	10	--	--	4	3	2	1	--	--	5
Rheumatic fever	1	--	--	--	--	--	1	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	91	1	1	1	--	--	12	52	26	67
Tuberculosis—all forms	177	--	--	3	3	14	52	54	51	110
Pulmonary tuberculosis	170	--	--	2	3	13	50	53	49	110
Other communicable diseases	8	--	1	2	1	--	1	1	3	4
Accidents—all forms, total	460	2	17	30	34	61	79	74	181	230
Motor vehicle	153	--	--	4	17	37	37	27	31	82
Home	177	--	13	21	6	3	11	18	117	88
Occupational	46	xxx	xxx	xxx	--	5	22	12	7	27
Public	84	2	4	5	11	16	9	17	26	33
Arteriosclerosis	122	xxx	xxx	xxx	--	--	--	7	115	55
Cancer	1,022	--	--	7	6	8	65	334	601	432
Diabetes	218	--	--	--	--	1	8	63	146	104
Diseases of digestive system, total	267	2	8	16	8	6	23	99	115	130
Appendicitis	22	--	--	1	4	3	3	7	4	8
Cirrhosis of the liver	65	--	1	1	--	--	3	32	29	33
Diarrhea and enteritis	22	1	6	10	1	--	3	3	5	15
Hernia and intestinal obstruction	43	--	--	--	1	--	5	14	23	25
Ulcers of stomach or duodenum	44	1	1	1	--	--	3	19	21	12
Goiter—exophthalmic	9	--	--	--	--	--	--	5	4	3
Heart disease, total	2,655	1	1	3	4	12	89	681	1,864	1,284
Coronary	875	--	--	--	--	1	40	329	504	350
Chronic rheumatic	111	--	--	--	1	4	16	34	56	49
Homicide	18	--	--	1	2	3	6	5	1	11
Intracranial lesions of vascular origin	640	--	1	3	1	5	12	125	494	260
Nephritis	342	--	--	2	--	5	13	64	258	168
Prostatic disease	45	--	--	--	--	--	--	2	43	20
Suicide	73	xxx	xxx	xxx	--	4	22	39	8	40
ALL OTHER KNOWN CAUSES	342	9	19	28	16	18	67	78	135	177
CAUSE AS YET UNASSIGNED	5	--	--	--	--	--	2	1	2	4

* Age not reported for 4 deaths.

Northern Area (Region 2)--1940 population: Total 782,703; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, De Kalb, Grundy, Henry, Jo Daviess, Kankakee, Kendall, La Salle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.

TABLE V. DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA, FIRST NINE MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	1,744	76	101	113	12	32	136	460	991	712
SELECTED CAUSES OF DEATH	1,643	74	91	101	8	28	119	439	948	675
Diseases of infancy, total	85	72	80	82	--	--	1	2	--	34
Premature birth	38	37	38	38	XXX	XXX	XXX	XXX	XXX	13
Maternal causes, total	4	XXX	XXX	XXX	--	1	3	--	XXX	--
Puerperal septicemia	--	XXX	XXX	XXX	--	--	--	--	XXX	--
Puerperal toxemia	1	XXX	XXX	XXX	--	--	1	--	XXX	--
Communicable diseases, total	129	1	5	9	2	1	14	42	61	78
Acute respiratory diseases, total	60	1	5	7	--	--	3	12	38	39
Influenza	3	--	1	1	--	--	--	--	2	2
Pneumonia	57	1	4	6	--	--	3	12	36	37
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	1	--	--	1	--	--	--	--	--	--
Meningitis—meningococcus	1	--	--	--	--	--	--	1	--	1
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Poliomyelitis	1	--	--	--	1	--	--	--	--	--
Rheumatic fever	1	--	--	--	1	--	--	--	--	1
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	27	--	--	--	--	--	5	10	12	16
Tuberculosis—all forms	36	--	--	1	--	1	6	17	11	19
Pulmonary tuberculosis	34	--	--	1	--	1	6	15	11	19
Other communicable diseases	2	--	--	--	--	--	--	2	--	2
Accidents—all forms, total	138	--	--	4	4	22	26	31	51	58
Motor vehicle	41	--	--	--	--	16	10	11	4	16
Home	57	--	--	2	2	1	4	7	41	28
Occupational	12	XXX	XXX	XXX	--	2	5	5	--	3
Public	28	--	--	2	2	3	7	8	6	11
Arteriosclerosis	57	XXX	XXX	XXX	--	--	--	5	52	40
Cancer	237	--	--	--	1	--	16	87	133	80
Diabetes	51	--	--	--	--	--	2	15	34	14
Diseases of digestive system, total	72	1	6	6	--	1	9	23	33	25
Appendicitis	4	--	--	--	--	1	2	1	--	2
Cirrhosis of the liver	18	1	1	1	--	--	1	6	10	4
Diarrhea and enteritis	6	--	5	5	--	--	--	--	1	1
Hernia and intestinal obstruction	13	--	--	--	--	--	--	4	9	4
Ulcers of stomach or duodenum	18	--	--	--	--	--	4	10	4	7
Goiter—exophthalmic	2	--	--	--	--	--	--	1	1	1
Heart disease, total	587	--	--	--	1	1	32	168	385	238
Coronary	210	--	--	--	--	--	10	86	114	87
Chronic rheumatic	45	--	--	--	1	--	9	16	19	6
Homicide	8	--	--	--	--	--	4	3	1	4
Intracranial lesions of vascular origin	120	--	--	--	--	--	5	28	87	48
Nephritis	125	--	--	--	--	2	2	21	100	42
Prostatic disease	9	--	--	--	--	--	--	2	7	4
Suicide	19	XXX	XXX	XXX	--	--	5	11	3	9
ALL OTHER KNOWN CAUSES	100	2	10	12	4	4	17	20	43	36
CAUSE AS YET UNASSIGNED	1	--	--	--	--	--	--	1	--	1

Peoria Metropolitan Area (Region 3)—1940 population: Total 211,736; Urban 139,211; Rural 72,525.
Counties: Peoria and Tazewell.

TABLE VI. DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, FIRST NINE MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	10,805	420	573	697	101	158	602	2,358	6,885	5,426
SELECTED CAUSES OF DEATH	10,218	414	549	654	84	138	538	2,219	6,582	5,119
Diseases of infancy, total	467	397	442	453	4	3	2	3	2	221
Premature birth	223	220	223	223	xxx	xxx	xxx	xxx	xxx	96
Maternal causes, total	25	xxx	xxx	xxx	--	5	19	1	xxx	16
Puerperal septicemia	6	xxx	xxx	xxx	--	--	6	--	xxx	4
Puerperal toxemia	6	xxx	xxx	xxx	--	--	5	1	xxx	5
Communicable diseases, total	578	10	68	115	21	13	66	125	238	262
Acute respiratory diseases, total	267	10	57	70	5	4	10	29	149	123
Influenza	32	--	6	7	--	--	1	3	21	19
Pneumonia	235	10	51	63	5	4	9	26	128	104
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	3	--	--	--	--	--	--	2	1	1
Measles	39	--	3	25	10	1	3	--	--	13
Meningitis—meningococcus	4	--	1	3	1	--	--	--	--	2
Pertussis (whooping cough)	8	--	5	8	--	--	--	--	--	5
Poliomyelitis	5	--	--	2	2	--	1	--	--	5
Rheumatic fever	5	--	--	2	2	--	1	--	--	2
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	80	--	1	1	--	1	4	39	35	39
Tuberculosis—all forms	157	--	1	4	1	5	45	53	49	66
Pulmonary tuberculosis	141	--	--	--	1	4	40	48	48	63
Other communicable diseases	10	--	--	--	--	2	2	2	4	6
Accidents—all forms, total	704	2	7	35	43	73	122	124	306	418
Motor vehicle	247	--	--	13	16	50	65	59	44	154
Home	257	2	6	15	12	1	14	17	197	138
Occupational	61	xxx	xxx	xxx	--	6	19	22	14	40
Public	139	--	1	7	15	16	24	26	51	86
Arteriosclerosis	210	xxx	xxx	xxx	--	--	--	6	204	98
Cancer	1,568	--	1	6	2	17	96	524	922	768
Diabetes	319	--	--	1	2	1	16	90	209	167
Diseases of digestive system, total	435	3	25	35	4	4	44	138	210	192
Appendicitis	31	--	--	1	1	2	5	12	10	17
Cirrhosis of the liver	103	--	--	--	--	--	14	36	53	39
Diarrhea and enteritis	33	3	19	21	--	--	2	--	10	15
Hernia and intestinal obstruction	93	--	4	8	2	--	4	30	49	38
Ulcers of stomach or duodenum	65	--	--	--	--	1	9	28	27	33
Goiter—exophthalmic	19	--	--	--	--	--	3	6	10	11
Heart disease, total	3,853	1	4	7	4	8	93	819	2,921	1,920
Coronary	1,278	--	--	--	1	2	42	415	818	641
Chronic rheumatic	185	--	--	1	2	5	21	49	107	107
Homicide	22	1	1	1	--	2	12	5	2	7
Intracranial lesions of vascular origin	1,061	--	--	--	--	3	16	203	839	563
Nephritis	754	--	1	1	3	3	19	118	610	363
Prostatic disease	80	--	--	--	--	--	--	8	72	42
Suicide	123	xxx	xxx	xxx	1	6	30	49	37	71
ALL OTHER KNOWN CAUSES	578	6	24	43	17	20	61	137	300	307
CAUSE AS YET UNASSIGNED	9	--	--	--	--	--	3	2	3	2

* Age not reported for 4 deaths.

Central Area (Region 4)--1940 population: Total 1,331,175; Urban 551,587; Rural 779,588. Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Coles, Cumberland, De Witt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Macon, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Starks, Vermilion, Warren, and Woodford.

TABLE VII. DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA,
FIRST NINE MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	2,518	123	162	185	29	52	210	674	1,367	905
SELECTED CAUSES OF DEATH	2,420	118	152	173	29	49	201	650	1,317	873
Diseases of infancy, total	122	109	117	119	--	1	1	1	--	42
Premature birth	61	60	61	61	XXX	XXX	XXX	XXX	XXX	23
Maternal causes, total	4	XXX	XXX	XXX	--	1	3	--	XXX	--
Puerperal septicemia	2	XXX	XXX	XXX	--	1	1	--	XXX	--
Puerperal toxemia	--	XXX	XXX	XXX	--	--	--	--	XXX	--
Communicable diseases, total	178	3	14	20	6	10	35	48	59	70
Acute respiratory diseases, total	65	3	8	10	--	1	5	14	35	32
Influenza	9	--	--	--	--	--	--	6	3	3
Pneumonia	56	3	8	10	--	1	5	8	32	29
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	5	--	2	3	2	--	--	--	--	4
Meningitis—meningococcus	3	--	--	1	--	--	--	1	1	1
Pertussis (whooping cough)	3	--	2	3	--	--	--	--	--	1
Poliomylitis	6	--	--	--	4	2	--	--	--	4
Rheumatic fever	--	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	15	--	--	--	--	--	1	6	8	7
Tuberculosis—all forms	78	--	1	2	--	7	29	26	14	20
Pulmonary tuberculosis	70	--	--	--	--	7	24	25	14	19
Other communicable diseases	3	--	1	1	--	--	--	1	1	1
Accidents—all forms, total	188	2	7	17	18	23	33	41	56	81
Motor vehicle	76	--	1	4	10	15	16	17	14	27
Home	61	1	5	9	1	2	3	11	35	36
Occupational	20	XXX	XXX	XXX	--	3	9	8	--	4
Public	31	1	1	4	7	3	5	5	7	14
Arteriosclerosis	53	XXX	XXX	XXX	--	--	--	2	51	29
Cancer	339	--	--	--	2	2	39	130	166	113
Diabetes	62	--	--	--	1	1	2	22	36	17
Diseases of digestive system, total	117	3	12	12	--	3	9	34	59	40
Appendicitis	4	--	--	--	--	--	3	1	--	1
Cirrhosis of the liver	32	--	--	--	--	1	3	12	16	10
Diarrhea and enteritis	13	3	11	11	--	--	--	--	2	4
Hernia and intestinal obstruction	18	--	--	--	--	--	1	8	9	7
Ulcers of stomach or duodenum	17	--	--	--	--	--	1	6	10	4
Goiter—exophthalmic	2	--	--	--	--	--	--	1	1	1
Heart disease, total	898	--	--	2	1	6	35	257	596	304
Coronary	225	--	--	--	1	2	15	104	103	71
Chronic rheumatic	40	--	--	--	--	3	6	16	15	9
Homicide	22	1	2	2	--	2	15	3	--	5
Intracranial lesions of vascular origin	238	--	--	--	--	--	11	61	166	101
Nephritis	147	--	--	1	1	--	8	32	105	53
Prostatic disease	15	--	--	--	--	--	--	2	13	3
Suicide	35	XXX	XXX	XXX	--	--	10	16	9	14
ALL OTHER KNOWN CAUSES	96	5	9	11	--	3	9	24	49	31
CAUSE AS YET UNASSIGNED	2	--	1	1	--	--	--	--	1	1

* Age not reported for 1 death.

East St. Louis Metropolitan Area (Region 5)--1940 population: Total 316,248; Urban 213,175; Rural 103,073.
Counties: Madison and St. Clair.

TABLE VIII. DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, FIRST NINE MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	5,196	200	291	355	53	118	315	1,181	3,169	3,247
SELECTED CAUSES OF DEATH	4,911	195	271	327	46	106	283	1,117	3,028	3,059
Diseases of infancy, total	214	184	203	210	2	1	1	---	---	128
Premature birth	86	86	86	86	XXX	XXX	XXX	XXX	XXX	55
Maternal causes, total	17	XXX	XXX	XXX	--	2	13	2	XXX	12
Puerperal septicemia	10	XXX	XXX	XXX	--	1	8	1	XXX	8
Puerperal toxemia	1	XXX	XXX	XXX	--	1	--	--	XXX	--
Communicable diseases, total	333	7	47	66	6	13	45	74	129	203
Acute respiratory diseases, total	138	7	39	47	3	--	7	10	71	76
Influenza	24	--	4	5	--	--	1	1	17	15
Pneumonia	114	7	35	42	3	--	6	9	54	61
Diphtheria	1	--	--	1	--	--	--	--	--	1
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	8	--	2	6	2	--	--	--	--	4
Meningitis—meningococcus	3	--	1	3	--	--	--	--	--	2
Pertussis (whooping cough)	6	--	3	6	--	--	--	--	--	3
Poliomyelitis	3	--	--	1	1	1	--	--	--	1
Rheumatic fever	3	--	--	--	--	2	--	--	1	3
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	42	--	--	--	--	1	7	18	16	29
Tuberculosis—all forms	119	--	--	--	--	8	29	44	38	76
Pulmonary tuberculosis	115	--	--	--	--	7	29	43	36	73
Other communicable diseases	10	--	2	2	--	1	2	2	3	8
Accidents—all forms, total	399	1	5	23	24	64	72	80	135	242
Motor vehicle	123	--	--	4	10	30	39	21	19	73
Home	125	1	4	16	4	3	4	11	87	78
Occupational	55	XXX	XXX	XXX	--	10	15	27	3	31
Public	96	--	1	3	10	21	14	21	26	60
Arteriosclerosis	189	XXX	XXX	XXX	--	--	--	16	173	167
Cancer	653	--	--	2	1	6	44	231	369	366
Diabetes	117	--	--	--	1	1	4	32	79	69
Diseases of digestive system, total	201	3	16	24	6	3	10	62	96	123
Appendicitis	22	--	--	--	5	--	3	6	8	15
Cirrhosis of the liver	45	--	--	--	--	--	1	14	30	24
Diarrhea and enteritis	24	3	14	18	--	1	1	1	3	12
Hernia and intestinal obstruction	46	--	1	2	--	1	2	16	25	33
Ulcers of stomach or duodenum	14	--	--	--	--	--	--	7	7	6
Goiter—exophthalmic	4	--	--	--	--	--	--	1	3	3
Heart disease, total	1,814	--	--	2	4	12	57	422	1,315	1,128
Coronary	541	--	--	--	--	2	25	193	320	323
Chronic rheumatic	83	--	--	--	1	1	11	24	46	49
Homicide	7	--	--	--	--	1	3	1	2	4
Intracranial lesions of vascular origin	568	--	--	--	--	1	12	117	437	356
Nephritis	319	--	--	--	2	--	10	55	252	201
Prostatic disease	29	--	--	--	--	--	--	3	26	17
Suicide	47	XXX	XXX	XXX	--	2	12	21	12	40
ALL OTHER KNOWN CAUSES	281	5	20	27	7	12	32	64	139	185
CAUSE AS YET UNASSIGNED	4	--	--	1	--	--	--	--	2	3

* Age not reported for 5 deaths.

Southern Area (Region 6)--1940 population: Total 723,047; Urban 238,885; Rural 494,162.

Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.

VITAL STATISTICS IN THE FIRST SIX MONTHS 1948

DECLINE IN BIRTHS

The birth rate continued its gradual decline in receding from 20.9 average annual live births per 1,000 population in the first quarter of 1948 to 19.3 during the second quarter of 1948. This brought the average birth rate over the first six months of the year to 20.1—thirteen per cent below the average for the first half of 1947.

TABLE A - BIRTH AND DEATH RATES FOR THE FIRST SIX MONTHS

	1948	1947
LIVE BIRTHS per 1,000 population	20.1	23.1
DEATHS per 1,000 population	11.1	11.7

Note: Rates are expressed as their annual equivalents, based on estimates of Illinois' population as follows: April 1, 1948—8,291,656; April 1, 1947—8,172,864.

MORTALITY IMPROVEMENTS

There were fewer deaths from all causes in the first half of 1948 than in the same period of 1947. However, the recent high birth rates have made the young child population increase much faster than the older part of the population. This tends to lower the general death rate because children have a low death rate as compared to the rest of the population. Actually, there is no evidence of any substantial decrease in mortality, when stage of life is taken into account.

Maternal mortality declined from 1.1 deaths per thousand live births during the first quarter of 1948 to 0.8 deaths per thousand live births in the second quarter. The low frequency of maternal deaths, however, makes it hazardous to attach real significance to these changes in rate. The important fact is that the continuance of a maternal rate at approximately one death for every thousand births indicates that the risk of childbearing has been permanently reduced to levels that were only dreamed of not so many years ago.

TABLE B - FETAL, INFANT, AND MATERNAL MORTALITY RATES, FIRST SIX MONTHS

	Per 1,000 live births	
	1948	1947
FETAL MORTALITY (Stillbirths)	18.2	19.6
NEONATAL MORTALITY (under 1 month)	20.6	22.8
INFANT MORTALITY (under 1 year)	29.4	31.3
Premature birth	10.9	10.7
MATERNAL MORTALITY	1.0	1.1

C. D. DEATHS STILL GOING DOWN

The death rate for almost every communicable disease during the first half of 1948 has been as low or lower than its corresponding rate for the first half of 1947. The largest mortality reductions were found in influenza, pneumonia, and tuberculosis. There were only eighteen deaths from

whooping cough in the first half of 1948 as compared to twenty-six for the first half of 1947. This improvement is most marked for the less than year old babies because in 1947 about four out of five whooping cough deaths were under one year of age while in 1948 it was only two out of three.

TABLE C - MORTALITY FROM THE TEN LEADING CAUSES, FIRST SIX MONTHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1948	1947	1948	1947
Heart disease	17,632	18,009	425.3	440.7
Cancer	6,652	6,630	160.5	162.2
Cerebral hemorrhage*	3,607	3,809	87.0	93.2
Nephritis	2,659	2,759	64.1	67.5
All accidents	2,724	2,747	65.7	67.2
Influenza and pneumonia	1,485	2,027	35.8	49.6
Diabetes	1,402	1,413	33.8	34.6
Tuberculosis	1,353	1,448	32.6	35.4
Premature birth	904	1,005	21.8	24.6
Arteriosclerosis	671	760	16.2	18.6

* Intracranial lesions of vascular origin

Note: Rates are expressed as their annual equivalents. For change in figures on accidents see footnote to Table D.

Only two of the communicable diseases took a greater toll during the first half of 1948 than during the same period of 1947. Measles mortality was higher due to the recent epidemic and the 25 deaths from acute rheumatic fever from January to June of 1948 were 8 more than in the same period of 1947.

Mortality from the ten leading causes of death in the first half of 1948 has been quite consistently lower for each disease than in the same months of 1947. The significance of this situation is as yet difficult to assess. Health conditions in 1947 were not markedly different from those in 1948, except for the somewhat higher incidence of upper respiratory diseases in the early months of 1947.

TABLE D - ACCIDENTAL DEATHS FOR THE FIRST SIX MONTHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1948	1947	1948	1947
ALL ACCIDENTS	2,724	2,747	65.7	67.2
Motor vehicle	861	829	20.8	20.3
Home accidents	970	967	23.4	23.6
Occupational	245	358	5.9	8.8
Public accidents	648	593	15.6	14.5

Note: Rates are expressed as their annual equivalents. The rates in this table have been corrected to include all coroner's permanent certificates (that supersede temporary certificates on which no cause of death is assigned) received up to May 1, 1949.

TABLE I. LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE,
FIRST SIX MONTHS, 1948
(All registrations within the State)

County of Occurrence	Estimated Civilian Population*	Live Births	Still-births	Deaths	County of Occurrence	Estimated Civilian Population*	Live Births	Still-births	Deaths
Entire State	8,291,656	83,288	1,512	45,964	La Salle	101,873	1,092	25	550
Chicago	3,613,883	35,225	696	19,414	Lawrence	21,445	65	3	79
Downstate	4,677,773	48,063	816	26,550	Lee	35,554	329	5	241
					Livingston	39,549	332	7	242
Adams	67,734	752	10	447	Logan	30,279	263	2	216
Alexander	26,552	350	8	189	McDonough	27,550	340	6	168
Bond	14,698	11	--	40	McHenry	36,316	357	9	202
Boone	15,568	215	2	110	McLean	76,483	907	18	437
Brown	8,042	21	--	33	Macon	88,818	1,252	20	508
Bureau	38,487	372	4	211	Macoupin	47,786	140	4	207
Calhoun	8,091	35	--	27	Madison	157,210	1,766	28	866
Carroll	18,332	155	1	98	Marion	49,550	529	5	245
Cass	16,854	173	3	97	Marshall	13,377	7	--	35
Champaign	73,229	1,209	19	400	Mason	15,658	19	--	49
Christian	39,690	384	8	194	Massac	15,293	70	3	71
Clark	18,950	30	--	84	Menard	10,795	19	1	23
Clay	19,148	64	1	53	Mercer	17,908	10	1	63
Clinton	23,412	186	6	93	Monroe	12,854	5	--	43
Coles	39,860	462	8	228	Montgomery	35,376	431	5	256
Cook	4,320,742	43,195	802	23,822	Morgan	37,593	401	6	381
Crawford	21,698	196	4	134	Moultrie	13,606	15	1	74
Cumberland	11,621	20	1	52	Ogle	30,392	168	2	113
De Kalb	35,380	544	5	224	Peoria	161,808	2,186	35	1,029
De Witt	18,657	109	3	87	Perry	24,130	252	4	108
Douglas	17,923	176	4	88	Piatt	14,864	83	--	67
Du Page	109,255	878	15	492	Pike	25,528	195	2	124
Edgar	24,904	202	5	132	Pope	7,880	35	--	27
Edward	9,080	28	--	32	Pulaski	16,197	58	--	72
Effingham	22,371	432	7	144	Putnam	5,367	1	--	10
Fayette	29,320	266	7	125	Randolph	34,651	306	3	164
Ford	15,219	129	1	58	Richland	17,422	303	7	159
Franklin	55,372	307	6	245	Rock Island	119,712	1,504	30	766
Fulton	45,791	411	13	235	St. Clair	176,656	1,896	39	1,009
Gallatin	11,493	66	--	33	Saline	39,412	447	7	220
Greene	20,607	208	4	74	Sangamon	123,574	1,506	26	824
Grundy	18,881	144	5	73	Schuyler	11,427	41	2	49
Hamilton	13,262	111	2	49	Scott	8,235	4	--	23
Hancock	26,761	89	2	102	Shelby	26,366	152	2	129
Hardin	7,764	53	1	35	Stark	8,939	--	--	20
Henderson	9,030	13	1	23	Stephenson	42,001	584	11	287
Henry	45,132	476	8	268	Tazewell	60,842	486	13	216
Iroquois	32,729	271	8	138	Union	21,767	195	4	229
Jackson	39,086	473	9	216	Vermilion	90,593	974	14	551
Jasper	13,251	23	--	42	Wabash	14,080	63	2	83
Jefferson	35,082	398	8	169	Warren	21,718	267	5	123
Jersey	13,843	27	2	57	Washington	15,846	17	1	54
Jo Daviess	20,289	17	--	96	Wayne	21,911	96	1	68
Johnson	10,603	39	1	42	White	20,254	87	1	81
Kane	137,246	2,201	31	1,112	Whiteside	44,766	544	8	219
Kankakee	63,460	695	8	766	Will	119,898	1,293	17	643
Kendall	11,192	2	--	43	Williamson	53,500	472	9	312
Knox	54,305	597	9	291	Winnebago	127,844	1,620	36	676
Lake	127,864	1,869	38	684	Woodford	19,343	20	2	66

* Estimated population as of April 1, 1948.

TABLE II. ALL DEATHS IN ILLINOIS ACCORDING TO CAUSE, FIRST SIX MONTHS, 1948

(All registrations within the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	45,964	1,719	2,448	2,908	395	763	3,654	14,033	24,193	9,837
SELECTED CAUSES OF DEATH	43,293	1,680	2,287	2,661	308	620	3,188	13,255	23,247	9,228
Diseases of infancy, total	1,908	1,593	1,802	1,849	18	9	13	17	2	152
Premature birth	904	890	904	904	xxx	xxx	xxx	xxx	xxx	53
Maternal causes, total	83	xxx	xxx	xxx	--	25	55	3	xxx	7
Puerperal septicemia	27	xxx	xxx	xxx	--	6	20	1	xxx	3
Puerperal toxemia	13	xxx	xxx	xxx	--	2	11	--	xxx	1
Communicable diseases, total	3,371	64	324	479	76	119	630	1,053	1,014	990
Acute respiratory diseases, total	1,485	62	276	342	21	10	129	351	632	304
Influenza	91	--	14	22	--	2	8	13	46	24
Pneumonia	1,394	62	262	320	21	8	121	338	586	280
Diphtheria	7	--	--	2	--	2	1	--	2	2
Dysentery—all forms	4	--	1	1	--	--	1	--	2	1
Encephalitis—infectious	10	--	2	2	1	--	--	5	2	3
Measles	82	--	11	50	25	2	5	--	--	14
Meningitis—meningococcus	29	--	6	15	4	2	2	4	2	4
Pertussis (whooping cough)	18	--	12	18	--	--	--	--	--	5
Poliomyelitis	4	--	--	2	--	1	1	--	--	2
Rheumatic fever	25	--	--	4	10	3	4	4	--	2
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	311	2	3	3	--	3	41	156	108	139
Tuberculosis—all forms	1,353	--	9	34	12	93	436	522	256	506
Pulmonary tuberculosis	1,226	--	2	7	4	79	396	496	244	487
Other communicable diseases	43	--	4	6	3	3	10	11	10	8
Accidents—all forms, total	2,433	6	51	130	125	238	402	586	950	551
Motor vehicle	716	--	--	21	43	142	178	193	139	206
Home	905	5	47	94	34	18	57	127	573	165
Occupational	223	xxx	xxx	xxx	--	21	72	102	28	68
Public	589	1	4	15	48	57	95	164	210	112
Arteriosclerosis	671	xxx	xxx	xxx	--	--	2	46	623	317
Cancer	6,652	--	--	18	17	39	540	2,784	3,251	1,144
Diabetes	1,402	--	1	3	5	11	44	514	824	233
Diseases of digestive system, total	1,943	13	95	142	29	29	244	776	723	252
Appendicitis	125	1	1	9	13	12	20	39	32	5
Cirrhosis of the liver	599	1	10	12	3	1	94	283	206	101
Diarrhea and enteritis	119	10	68	83	2	3	10	8	13	22
Hernia and intestinal obstruction	340	--	10	17	4	2	29	125	163	37
Ulcers of stomach or duodenum	334	--	--	--	1	2	41	149	141	31
Goiter—exophthalmic	85	--	--	--	--	3	9	39	34	16
Heart disease, total	17,632	1	4	18	24	57	802	5,536	11,189	3,902
Coronary	4,332	--	--	--	2	7	189	1,849	2,284	1,084
Chronic rheumatic	837	--	--	2	14	24	160	327	310	156
Homicide	172	3	4	4	1	29	95	31	12	16
Intracranial lesions of vascular origin	3,607	--	3	7	2	13	99	980	2,504	915
Nephritis	2,659	--	3	11	11	30	145	662	1,800	580
Prostatic disease	262	--	--	--	--	--	--	41	221	30
Suicide	413	xxx	xxx	xxx	--	18	108	187	100	123
ALL OTHER KNOWN CAUSES	2,063	33	142	214	66	81	328	602	771	464
CAUSE AS YET UNASSIGNED	608	6	19	33	21	62	138	176	175	145

* Age not reported for 18 deaths.

ENTIRE STATE--1940 population: Total 7,897,241; Urban 5,809,650; Rural 2,087,591.

For a detailed discussion of the 6 principal geographic Regions of the State see Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1944."

TABLE III. DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, FIRST SIX MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	26,134	1,019	1,395	1,619	200	387	2,355	9,343	12,226	1,828
SELECTED CAUSES OF DEATH	24,780	1,002	1,312	1,488	157	311	2,074	8,873	11,874	1,741
Diseases of infancy, total	1,107	948	1,053	1,073	8	5	10	11	--	76
Premature birth	565	555	565	565	xxx	xxx	xxx	xxx	xxx	38
Maternal causes, total	40	xxx	xxx	xxx	--	16	22	2	xxx	3
Puerperal septicemia	11	xxx	xxx	xxx	--	4	7	--	xxx	1
Puerperal toxemia	10	xxx	xxx	xxx	--	2	8	--	xxx	1
Communicable diseases, total	2,007	46	179	252	51	78	437	707	482	126
Acute respiratory diseases, total	853	45	160	195	16	4	96	242	300	63
Influenza	21	--	2	7	--	2	3	3	6	2
Pneumonia	832	45	158	188	16	2	93	239	294	61
Diphtheria	5	--	--	1	--	2	--	--	2	1
Dysentery—all forms	2	--	1	1	--	--	--	--	1	1
Encephalitis—infectious	6	--	1	1	--	--	--	4	1	--
Measles	21	--	1	11	10	--	--	--	--	--
Meningitis—meningococcus	20	--	5	10	4	1	2	2	1	3
Pertussis (whooping cough)	1	--	1	1	--	--	--	--	--	--
Poliomyelitis	1	--	--	--	--	--	1	--	--	--
Rheumatic fever	18	--	--	2	8	3	2	3	--	1
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	129	1	1	1	--	1	19	68	40	21
Tuberculosis—all forms	928	--	8	27	11	66	309	381	134	36
Pulmonary tuberculosis	836	--	2	6	3	56	283	363	125	31
Other communicable diseases	23	--	1	2	2	1	8	7	3	--
Accidents—all forms, total	1,167	2	26	61	50	77	169	341	469	99
Motor vehicle	292	--	--	8	14	41	64	95	70	31
Home	434	2	26	50	13	10	33	81	247	41
Occupational	88	xxx	xxx	xxx	--	4	22	52	10	6
Public	353	--	--	3	23	22	50	113	142	21
Arteriosclerosis	239	xxx	xxx	xxx	--	--	2	25	212	60
Cancer	3,988	--	--	9	8	19	340	1,848	1,763	198
Diabetes	841	--	1	2	2	8	19	355	455	48
Diseases of digestive system, total	1,163	5	46	70	17	15	177	517	367	67
Appendicitis	67	1	1	7	6	5	13	18	18	2
Cirrhosis of the liver	412	--	8	10	3	--	77	213	109	22
Diarrhea and enteritis	48	3	28	33	1	2	5	4	3	6
Hernia and intestinal obstruction	182	--	6	9	3	2	18	76	74	16
Ulcers of stomach or duodenum	220	--	--	--	1	1	27	100	91	9
Goiter—exophthalmic	56	--	--	--	--	3	5	29	19	5
Heart disease, total	10,488	--	1	7	13	29	591	3,838	6,009	811
Coronary	2,106	--	--	--	--	2	104	1,045	955	157
Chronic rheumatic	503	--	--	1	10	14	120	228	130	21
Homicide	120	1	2	2	1	24	68	19	6	3
Intracranial lesions of vascular origin	1,732	--	2	4	1	8	60	605	1,053	117
Nephritis	1,469	--	2	8	6	20	113	450	872	107
Prostatic disease	136	--	--	--	--	--	--	26	110	7
Suicide	227	xxx	xxx	xxx	--	9	61	100	57	14
ALL OTHER KNOWN CAUSES	1,040	13	75	118	28	40	195	364	294	62
CAUSE AS YET UNASSIGNED	314	4	8	13	15	36	86	106	58	25

* Age not reported for 4 deaths.

Chicago Metropolitan Area (Region I)--1940 population: Total 4,532,332; Urban 4,256,601; Rural 275,731.
Counties: Cook, Du Page, Kane, Lake and Will.

TABLE IV. DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, FIRST SIX MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	4,907	165	255	309	60	88	319	1,207	2,921	2,371
SELECTED CAUSES OF DEATH	4,620	158	238	282	45	76	269	1,144	2,801	2,231
Diseases of infancy, total	301	151	188	196	3	1	--	1	--	101
Premature birth	79	79	79	79	xxx	xxx	xxx	xxx	xxx	30
Maternal causes, total	5	xxx	xxx	xxx	--	2	3	--	xxx	3
Puerperal septicemia	1	xxx	xxx	xxx	--	--	1	--	xxx	--
Puerperal toxemia	--	xxx	xxx	xxx	--	--	--	--	xxx	--
Communicable diseases, total	405	5	31	47	4	14	63	128	149	251
Acute respiratory diseases, total	193	4	25	34	--	1	11	52	95	109
Influenza	10	--	1	2	--	--	3	2	3	3
Pneumonia	183	4	24	32	--	1	8	50	92	106
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	2	--	--	--	--	--	1	--	1	1
Encephalitis—infectious	2	--	1	1	--	--	--	--	--	1
Measles	8	--	2	4	1	1	2	--	--	3
Meningitis—meningococcus	1	--	--	--	--	--	--	1	--	1
Pertussis (whooping cough)	2	--	1	2	--	--	--	--	--	1
Poliomyelitis	2	--	--	1	--	1	--	--	--	--
Rheumatic fever	1	--	--	--	--	--	1	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	63	1	1	1	--	--	9	38	15	48
Tuberculosis—all forms	127	--	--	2	1	11	39	36	38	84
Pulmonary tuberculosis	121	--	--	1	1	10	37	35	37	84
Other communicable diseases	4	--	1	2	1	--	--	1	--	3
Accidents—all forms, total	277	1	13	19	22	30	43	47	115	139
Motor vehicle	92	--	--	1	11	20	18	21	21	50
Home	114	--	11	15	5	2	4	13	74	56
Occupational	30	xxx	xxx	xxx	--	3	15	8	4	19
Public	41	1	2	3	6	5	6	5	16	14
Arteriosclerosis	82	xxx	xxx	xxx	--	--	--	4	78	37
Cancer	682	--	--	4	5	5	43	214	410	277
Diabetes	152	--	--	--	--	--	6	42	103	77
Diseases of digestive system, total	178	1	5	11	7	5	15	64	76	96
Appendicitis	17	--	--	1	4	3	1	4	4	6
Cirrhosis of the liver	45	--	1	1	--	--	2	23	19	26
Diarrhea and enteritis	15	1	4	8	1	--	2	2	2	12
Hernia and intestinal obstruction	28	--	--	--	--	--	5	6	17	18
Ulcers of stomach or duodenum	27	--	--	--	--	--	2	12	13	7
Goiter—exophthalmic	5	--	--	--	--	--	--	3	2	1
Heart disease, total	1,862	--	--	1	3	6	66	473	1,312	905
Coronary	604	--	--	--	--	--	29	226	349	245
Chronic rheumatic	77	--	--	--	1	3	12	21	40	34
Homicide	7	--	--	--	--	2	3	1	1	3
Intracranial lesions of vascular origin	459	--	1	3	1	3	9	96	347	182
Nephritis	231	--	--	1	--	4	8	43	175	120
Prostatic disease	30	--	--	--	--	--	--	1	29	16
Suicide	44	xxx	xxx	xxx	--	3	10	27	4	23
ALL OTHER KNOWN CAUSES	240	7	16	23	13	10	45	51	98	118
CAUSE AS YET UNASSIGNED	47	--	1	4	2	2	5	12	22	22

* Age not reported for 3 deaths.

Northern Area (Region 2)--1940 population: Total 782,703; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, De Kalb, Grundy, Henry, Jo Daviess, Kankakee, Kendall, La Salle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.

TABLE V. DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA, FIRST SIX MONTHS, 1948
(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	1,185	41	61	68	7	24	83	308	695	495
SELECTED CAUSES OF DEATH	1,115	39	54	60	5	19	74	292	665	468
Diseases of infancy, total	48	38	44	46	--	--	--	2	--	21
Premature birth	17	16	17	17	xxx	xxx	xxx	xxx	xxx	7
Maternal causes, total	3	xxx	xxx	xxx	--	--	3	--	xxx	--
Puerperal septicemia	--	xxx	xxx	xxx	--	--	--	--	xxx	--
Puerperal toxemia	1	xxx	xxx	xxx	--	--	1	--	xxx	--
Communicable diseases, total	95	--	4	6	1	1	12	27	48	60
Acute respiratory diseases, total	50	--	4	5	--	--	3	9	33	33
Influenza	3	--	1	1	--	--	--	--	2	2
Pneumonia	47	--	3	4	--	--	3	9	31	31
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	1	--	--	1	--	--	--	1	--	1
Meningitis—meningococcus	1	--	--	--	--	--	--	--	--	--
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	1	--	--	--	1	--	--	--	--	1
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	21	--	--	--	--	--	4	7	10	14
Tuberculosis—all forms	21	--	--	--	--	1	5	10	5	11
Pulmonary tuberculosis	20	--	--	--	--	1	5	9	5	11
Other communicable diseases	--	--	--	--	--	--	--	--	--	--
Accidents—all forms, total	92	--	--	2	3	15	16	18	38	43
Motor vehicle	27	--	--	--	--	12	5	7	3	10
Home	43	--	--	2	2	1	3	3	32	24
Occupational	6	xxx	xxx	xxx	--	--	4	2	--	2
Public	16	--	--	--	1	2	4	6	3	7
Arteriosclerosis	40	xxx	xxx	xxx	--	--	--	2	38	29
Cancer	145	--	--	--	--	--	10	48	87	46
Diabetes	35	--	--	--	--	--	2	12	21	11
Diseases of digestive system, total	54	1	6	6	--	1	5	17	25	20
Appendicitis	2	--	--	--	--	1	--	1	--	1
Cirrhosis of the liver	15	1	1	1	--	--	1	5	8	3
Diarrhea and enteritis	6	--	5	5	--	--	--	--	1	1
Hernia and intestinal obstruction	9	--	--	--	--	--	--	3	6	3
Ulcers of stomach or duodenum	12	--	--	--	--	--	3	7	2	6
Goiter—exophthalmic	2	--	--	--	--	--	--	1	1	1
Heart disease, total	421	--	--	--	1	1	18	121	280	164
Coronary	154	--	--	--	--	--	6	65	83	66
Chronic rheumatic	28	--	--	--	1	--	3	11	13	3
Homicide	3	--	--	--	--	--	--	2	1	2
Intracranial lesions of vascular origin	80	--	--	--	--	--	4	18	58	35
Nephritis	82	--	--	--	--	1	1	16	64	31
Prostatic disease	5	--	--	--	--	--	--	2	3	1
Suicide	10	xxx	xxx	xxx	--	--	3	6	1	4
ALL OTHER KNOWN CAUSES	63	2	7	8	2	3	9	13	28	23
CAUSE AS YET UNASSIGNED	7	--	--	--	--	2	--	3	2	4

Peoria Metropolitan Area (Region 3)—1940 population: Total 211,736; Urban 139,211; Rural 72,525.
Counties: Peoria and Tazewell.

TABLE VI. DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, FIRST SIX MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	7,511	266	395	492	68	93	399	1,596	4,859	3,744
SELECTED CAUSES OF DEATH	7,027	261	371	454	52	75	350	1,489	4,604	3,476
Diseases of infancy, total	302	250	287	294	2	1	1	2	2	143
Premature birth	141	139	141	141	xxx	xxx	xxx	xxx	xxx	61
Maternal causes, total	16	xxx	xxx	xxx	--	3	13	--	xxx	12
Puerperal septicemia	5	xxx	xxx	xxx	--	--	5	--	xxx	4
Puerperal toxemia	2	xxx	xxx	xxx	--	--	2	--	xxx	1
Communicable diseases, total	436	5	56	99	14	11	46	80	186	197
Acute respiratory diseases, total	210	5	45	57	3	4	6	21	119	99
Influenza	26	--	6	7	--	--	1	2	16	15
Pneumonia	184	5	39	50	3	4	5	19	103	84
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	2	--	--	--	--	--	--	1	1	--
Measles	39	--	3	25	10	1	3	--	--	13
Meningitis—meningococcus	3	--	1	3	--	--	--	--	--	2
Pertussis (whooping cough)	7	--	5	7	--	--	--	--	--	4
Poliomylitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	4	--	--	2	1	--	1	--	--	1
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	53	--	1	1	--	1	3	24	24	25
Tuberculosis—all forms	111	--	1	4	--	4	31	33	39	49
Pulmonary tuberculosis	95	--	--	--	--	3	26	28	38	46
Other communicable diseases	7	--	--	--	--	1	2	1	3	4
Accidents—all forms, total	438	2	5	24	27	33	80	77	196	248
Motor vehicle	128	--	--	7	8	20	39	35	19	75
Home	186	2	4	12	10	1	12	13	137	98
Occupational	41	xxx	xxx	xxx	--	3	13	13	12	27
Public	83	--	1	5	9	9	16	16	28	48
Arteriosclerosis	146	xxx	xxx	xxx	--	--	--	4	142	72
Cancer	1,032	--	--	2	2	10	65	350	602	493
Diabetes	224	--	--	1	1	--	11	59	152	120
Diseases of digestive system, total	300	2	18	26	2	4	28	93	147	126
Appendicitis	19	--	--	1	--	2	1	9	6	10
Cirrhosis of the liver	68	--	--	--	--	--	10	21	37	24
Diarrhea and enteritis	23	2	15	17	--	--	2	--	4	10
Hernia and intestinal obstruction	69	--	2	5	1	--	2	21	40	28
Ulcers of stomach or duodenum	49	--	--	--	--	1	7	19	22	25
Goiter—exophthalmic	13	--	--	--	--	--	3	3	7	8
Heart disease, total	2,717	1	3	6	2	6	53	560	2,089	1,345
Coronary	867	--	--	--	1	2	20	287	557	431
Chronic rheumatic	125	--	--	1	1	3	14	34	72	69
Homicide	17	1	1	1	--	--	9	5	2	5
Intracranial lesions of vascular origin	720	--	--	--	--	1	8	133	578	380
Nephritis	537	--	1	1	2	3	14	86	431	253
Prostatic disease	51	--	--	--	--	--	--	5	46	27
Suicide	78	xxx	xxx	xxx	--	3	19	32	24	47
ALL OTHER KNOWN CAUSES	388	5	21	33	14	13	34	87	207	210
CAUSE AS YET UNASSIGNED	96	--	3	5	2	5	15	20	48	58

* Age not reported for 4 deaths.

Central Area (Region 4)—1940 population: Total 1,331,175; Urban 551,587; Rural 779,588. Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Coles, Cumberland, De Witt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Macon, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.

TABLE VII. DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA,
FIRST SIX MONTHS, 1948
(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	1,773	69	95	112	15	34	148	491	972	640
SELECTED CAUSES OF DEATH	1,670	67	87	101	15	30	134	464	925	605
Diseases of infancy, total	73	63	69	70	--	1	1	1	--	27
Premature birth	34	33	34	34	xxx	xxx	xxx	xxx	xxx	15
Maternal causes, total	4	xxx	xxx	xxx	--	1	3	--	xxx	--
Puerperal septicemia	2	xxx	xxx	xxx	--	1	1	--	xxx	--
Puerperal toxemia	--	xxx	xxx	xxx	--	--	--	--	xxx	--
Communicable diseases, total	127	1	10	13	2	5	29	39	39	46
Acute respiratory diseases, total	45	1	5	6	--	--	5	12	22	21
Influenza	8	--	--	--	--	--	--	5	3	3
Pneumonia	37	1	5	6	--	--	5	7	19	18
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	4	--	2	2	2	--	--	--	--	3
Meningitis—meningococcus	1	--	--	--	--	--	--	--	1	--
Pertussis (whooping cough)	3	--	2	3	--	--	--	--	--	1
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	--	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	9	--	--	--	--	--	--	5	4	3
Tuberculosis—all forms	62	--	--	1	--	5	24	21	11	1
Pulmonary tuberculosis	56	--	--	--	--	5	24	21	11	16
Other communicable diseases	3	--	1	1	--	--	--	1	--	1
Accidents—all forms, total	106	--	1	8	3	13	11	27	39	47
Motor vehicle	37	--	--	2	4	1	1	9	10	11
Home	38	--	1	3	1	1	1	6	24	25
Occupational	11	xxx	xxx	xxx	--	2	3	1	--	3
Public	20	--	--	3	3	3	2	4	5	8
Arteriosclerosis	38	xxx	xxx	xxx	--	--	--	2	36	23
Cancer	240	--	--	--	--	1	31	96	111	81
Diabetes	46	--	--	--	1	1	2	18	24	12
Diseases of digestive system, total	77	2	6	6	--	2	1	27	35	24
Appendicitis	4	--	--	--	--	--	3	1	--	1
Cirrhosis of the liver	24	--	--	--	--	1	2	10	11	6
Diarrhea and enteritis	6	2	5	5	--	--	--	--	1	1
Hernia and intestinal obstruction	13	--	--	--	--	--	1	6	6	4
Ulcers of stomach or duodenum	10	--	--	--	--	--	1	4	5	2
Goiter—exophthalmic	2	--	--	--	--	--	--	1	1	1
Heart disease, total	641	--	--	2	1	5	25	178	429	224
Coronary	161	--	--	--	1	1	11	69	79	58
Chronic rheumatic	32	--	--	--	--	3	5	10	14	8
Homicide	13	1	1	1	--	1	9	2	--	4
Intracranial lesions of vascular origin	167	--	--	--	--	--	6	37	124	73
Nephritis	107	--	--	1	1	--	5	26	74	32
Prostatic disease	11	--	--	--	--	--	--	2	9	2
Suicide	18	xxx	xxx	xxx	--	--	5	8	5	9
ALL OTHER KNOWN CAUSES	65	2	5	7	--	1	6	17	34	20
CAUSE AS YET UNASSIGNED	38	--	3	4	--	3	8	10	13	15

* Age not reported for 1 death.

East St. Louis Metropolitan Area (Region 5)--1940 population: Total 316,248; Urban 213,175; Rural 103,073.
Counties: Madison and St. Clair.

TABLE VIII. DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, FIRST SIX MONTHS, 1948

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	3,603	131	207	260	37	72	207	802	2,220	2,236
SELECTED CAUSES OF DEATH	3,333	127	188	234	29	57	179	739	2,092	2,058
Diseases of infancy, total	144	117	133	140	2	1	1	--	--	88
Premature birth	54	54	54	54	xxx	xxx	xxx	xxx	xxx	38
Maternal causes, total	8	xxx	xxx	xxx	--	--	7	1	xxx	6
Puerperal septicemia	7	xxx	xxx	xxx	--	--	6	1	xxx	5
Puerperal toxemia	--	xxx	xxx	xxx	--	--	--	--	xxx	--
Communicable diseases, total	249	7	39	56	4	7	30	52	100	150
Acute respiratory diseases, total	110	7	33	40	2	--	5	8	55	58
Influenza	23	--	4	5	--	--	1	1	16	14
Pneumonia	87	7	29	35	2	--	4	7	39	44
Diphtheria	1	--	--	1	--	--	--	--	--	1
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	8	--	2	6	2	--	--	--	--	4
Meningitis—meningococcus	1	--	--	2	--	--	--	--	--	1
Pertussis (whooping cough)	5	--	3	5	--	--	--	--	--	3
Poliomyelitis	1	--	--	1	--	--	--	--	--	1
Rheumatic fever	--	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	33	--	--	--	--	1	6	12	14	23
Tuberculosis—all forms	83	--	--	--	--	5	19	31	28	54
Pulmonary tuberculosis	81	--	--	--	--	4	19	31	27	53
Other communicable diseases	6	--	1	1	--	1	--	1	3	5
Accidents—all forms, total	229	1	5	15	13	33	44	47	77	133
Motor vehicle	59	--	--	3	5	13	20	7	11	37
Home	81	1	4	11	3	3	4	9	51	45
Occupational	36	xxx	xxx	xxx	--	6	11	17	2	19
Public	53	--	1	1	5	11	9	14	13	32
Arteriosclerosis	122	xxx	xxx	xxx	--	--	--	9	113	105
Cancer	425	--	--	2	--	2	33	154	234	239
Diabetes	82	--	--	--	1	1	1	22	56	47
Diseases of digestive system, total	134	2	11	19	3	1	6	41	64	85
Appendicitis	10	--	--	--	3	--	1	2	4	7
Cirrhosis of the liver	31	--	--	--	--	--	--	10	21	16
Diarrhea and enteritis	18	2	9	13	--	1	1	1	2	11
Hernia and intestinal obstruction	35	--	1	2	--	--	2	13	18	25
Ulcers of stomach or duodenum	9	--	--	--	--	--	--	4	5	2
Goiter—exophthalmic	2	--	--	--	--	--	--	--	2	2
Heart disease, total	1,274	--	--	2	4	8	37	287	934	778
Coronary	370	--	--	--	--	1	15	127	226	223
Chronic rheumatic	59	--	--	--	1	1	6	13	38	37
Homicide	7	--	--	--	--	1	3	1	2	4
Intracranial lesions of vascular origin	402	--	--	--	--	1	5	80	315	251
Nephritis	203	--	--	--	2	--	4	30	167	135
Prostatic disease	23	--	--	--	--	--	--	3	20	11
Suicide	29	xxx	xxx	xxx	--	2	7	12	8	24
ALL OTHER KNOWN CAUSES	205	2	16	21	6	11	19	46	102	138
CAUSE AS YET UNASSIGNED	65	2	3	5	2	4	9	17	26	40

* Age not reported for 5 deaths.

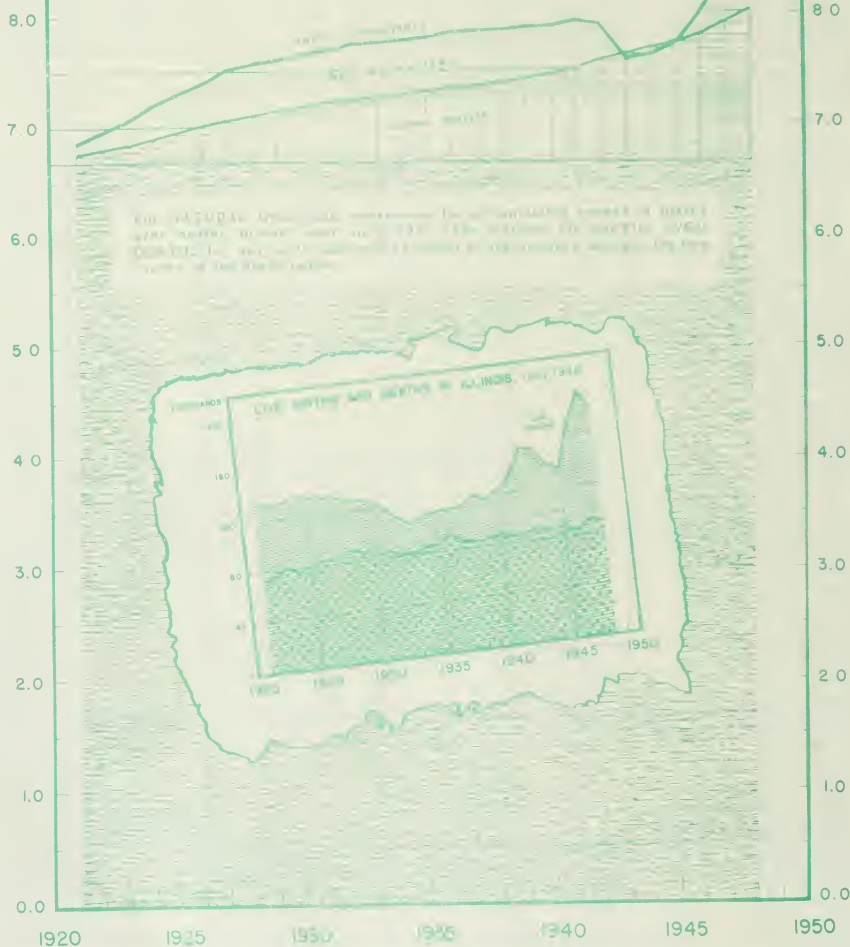
Southern Area (Region 6)--1940 population: Total 723,047; Urban 228,885; Rural 494,162.

Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.

MILLIONS

MILLIONS

ILLINOIS' POPULATION, 1920-1948



Health Statistics BULLETIN

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
SPRINGFIELD, ILLINOIS

Return postage guaranteed

Health Statistics BULLETIN

DIVISION OF VITAL STATISTICS AND RECORDS

1949 Series, Nos. 1,2,3,

Springfield, Illinois

February 20, 1950

BIRTH RATE HIGH FOR NINE MONTHS 1949 POLIO EPIDEMIC TAKES HEAVY TOLL

The average birth rate, for the first nine months of 1949, was 21.6 annual births per thousand population, slightly above the rate of 21.1 for the same period of 1948. The current high birth rate follows from the high marriage rate of recent years. Family formation proceeded at a rapid rate upon demobilization of the armed forces. At the same time high level employment and general prosperity gave additional stimulus to marriage and child bearing. High birth rates and high marriage rates have continued longer than was expected by many population experts. They believed that the high birth rates were a result of "catching up" with deferred family production and "borrowing" against future production.

TABLE A - BIRTH AND DEATH RATES FOR
THE FIRST NINE MONTHS

	1949	1948
LIVE BIRTHS per 1,000 population	21.6	21.1
DEATHS per 1,000 population	10.7	10.6

Note: Rates are expressed as their annual equivalents, based on estimates of Illinois' population as follows: May 15, 1949--8,436,375; May 15, 1948--8,332,125.

Only recently have the marriage rates begun to fall off appreciably. This would indicate that present high birth rates may be expected to drop somewhat in 1950. It is still questionable whether much diminution will take place even then, because it is currently estimated that marriage rates among eligible males (i.e., the single, widowed, and divorced at ages fifteen and over) are higher now than at any time prior to

1946. The outlook is that there will still be a big "baby crop" for the next year even though it is not a "bumper crop."

POLIO EPIDEMIC

The month of July saw the beginning of a serious poliomyelitis epidemic in Illinois. The incidence of polio was highest in downstate counties, 83 per cent of the cases occurring among Illinois residents living outside the city of Chicago. Four downstate counties reported more than one hundred cases for the period July through September, 1949. These counties were Champaign with 133 cases, Marion with 126 cases, Knox with 118 cases, and Kane with 124 cases. There were 154 deaths from polio recorded in downstate Illinois from January to September, 1949, as compared to 81 such deaths for the same period of the 1946 epidemic.

The incidence of polio in Chicago was above average, with 381 cases reported, but was well below the 540 polio cases reported for the same period of the epidemic year of 1946. There were

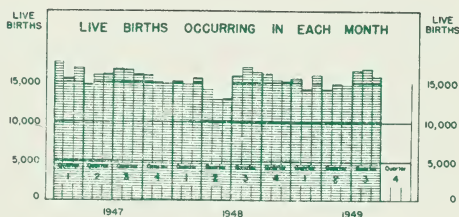


TABLE OF CONTENTS

SECTION	PAGE
I VITAL STATISTICS FOR THE FIRST NINE MONTHS	1-12
II VITAL STATISTICS FOR THE FIRST SIX MONTHS	13-21
III VITAL STATISTICS FOR THE FIRST THREE MONTHS	22-31

STATE OF ILLINOIS

ADLAI E. STEVENSON
GOVERNOR

DEPARTMENT OF PUBLIC HEALTH

ROLAND R. CROSS, M.D.
DIRECTOR*Health Statistics*
BULLETIN

RELEASED FOR THE USE OF PROFESSIONAL WORKERS IN HEALTH

ADDRESS MAIL FOR THE HEALTH STATISTICS BULLETIN TO
O. K. SAGEN, PH.D., CHIEF
DIVISION OF VITAL STATISTICS AND RECORDS

37 polio deaths recorded in Chicago, during the first nine months of 1949, as compared to 40 polio deaths recorded in the first nine months of 1946.

As in previous years, the present epidemic was characterized by a shift in the age distribution of fatal poliomyelitis with relatively fewer deaths among persons under twenty-four years of age. The following table gives the per cent of polio deaths in each age group for the first nine months of 1949 and for the same period of 1946.

	Percent In Each Age Group	
	First nine months 1949	First nine months 1948
All Ages	100.0	100.0
0-4 years	11.0	10.7
5-14 years	35.1	44.6
15-24 years	25.1	26.5
25-44 years	26.2	14.9
45-64 years	2.6	3.3
65 years & over	-0-	-0-

Natural increase (births minus deaths), in the first nine months of 1949, was 11.0 persons per thousand. While this is somewhat above the rate of 10.5 for the same period of 1948, it is well below the 12.2 for the same period of the record-breaking year 1947.

The mortality experience for the first nine months of 1949 was much like the very good record established in 1948. Tuberculosis mortality was only 29.3 per hundred thousand population, seven per cent below the rate for the first nine months of 1948. Mortality from upper respiratory disease was 34.3 per hundred thou-

sand population. This is slightly higher than the 1948 record but well below the 40.8 deaths per hundred thousand population recorded for the first nine months of 1947.

NO CHANGE FOR HEART AND CANCER

The difference in the mortality figures for the two leading causes of death, heart and cancer, is no more than could be expected from chance alone. In the absence of reliable population figures for the various ages, it is impossible at present, to determine the risk of death at each age of life. However, the available evidence points to the fact that the severity of mortality from the two biggest killers is at least not increasing.

TABLE B - FETAL, INFANT, AND MATERNAL MORTALITY RATES, FIRST NINE MONTHS

	Per 1,000 live births	
	1949	1948
FETAL MORTALITY (Stillbirths)	17.5	18.2
NEONATAL MORTALITY (under 1 month)	20.7	20.6
INFANT MORTALITY (under 1 year)	27.9	27.8
Premature birth	10.2	10.7
MATERNAL MORTALITY	0.8	1.0

Infant mortality from diarrhea and enteritis in Chicago has been much higher in 1949, than in 1948. A total of 87 infant deaths from diarrhea and enteritis were recorded in Chicago during the first nine months of 1949, an increase of 67 per cent over the number recorded in the same period of 1948. The increase occurred among infants being cared for in the home. In downstate Illinois, 70 infant deaths from this cause were recorded in each nine month period.

TABLE C - MORTALITY FROM THE TEN LEADING CAUSES, FIRST NINE MONTHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1949	1948	1949	1948
Heart disease	25,780	25,011	407.4	400.2
Cancer	10,254	10,061	162.1	161.0
Cerebral hemorrhage*	5,213	5,227	82.4	83.6
All accidents	3,705	4,089	58.6	65.4
Nephritis	3,564	3,810	56.3	61.0
Influenza and pneumonia	2,169	1,983	34.3	31.7
Diabetes	2,125	2,028	33.6	32.5
Tuberculosis	1,856	1,978	29.3	31.7
Premature birth	1,403	1,411	22.2	22.6
Arteriosclerosis	1,123	1,002	17.7	16.0

* Intracranial lesions of vascular origin.

Note: Rates are expressed as their annual equivalents.

Among the less frequent causes of death we find two deaths from rabies in the first nine months of 1949, the first such deaths since July, 1946. Also, two deaths from scarlet fever in the first nine months broke the two year respite from fatal scarlet fever. There were six deaths from histoplasmosis in the period January-September, 1949, as compared to two deaths from this cause in the same period of 1948. This is not surprising in view of the heightened interest in this disease brought on by the mass survey techniques for tuberculosis case finding.

AUTO ACCIDENT DEATHS LOW

Some improvement has been recorded for the motor vehicle accident mortality experience in the current period. The motor vehicle accident death rate in the first nine months of 1949 was 17.4 per hundred thousand population as compared to 22.2 for the same period of 1948

and 21.6 for the like period of 1947. Fewer deaths were recorded for accidents occurring at work, the comparable rates being 4.8 per hundred thousand population in the first nine months of 1949 and 5.9 for the same period of 1948. No essential change was noted for mortality occurring from accidents in the home or in public places.

TABLE D - ACCIDENTAL DEATHS FOR THE FIRST NINE MONTHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1949	1948	1949	1948
ALL ACCIDENTS	3,705	4,089	58.6	65.4
Motor vehicle	1,103	1,389	17.4	22.2
Home accidents	1,335	1,326	21.1	21.2
Occupational	300	370	4.8	5.9
Public accidents	967	1,004	15.3	16.1

Note: Rates are expressed as their annual equivalents.

GAINS IN SAVING THE LIVES OF BABIES

In thirty years, the hazard of death in the first year of life has been reduced to less than thirty per cent of what it was in the years 1915-1918. The greatest saving has been among babies over one month old and with causes other than prematurity. Recently, some progress has been made in lowering the death rate from premature birth, as witnessed by a drop in mortality from 12.3 deaths per thousand live births in 1940 to 10.5 in 1948. Prematurity at birth, of course, remains as the chief cause of death in infancy.

There is evidence that the more extensive immunization of babies against whooping cough is having beneficial results. Only 16 infant deaths from whooping cough were recorded in 1948 as compared to 48 such deaths in 1940, despite the 50 per cent increase in the number of babies born in 1948 over 1940. While the figures are small, there is every reason to believe they are significant.

The program for the prevention of congenital syphilis has also shown gratifying results. In 1940 there were 20 infant deaths from congenital syphilis as compared to only 3 such deaths in 1948.

The great advances in therapy made possible by sulfa drugs and antibiotics, have contributed greatly to the reduction of infant mortality by limiting death from upper respiratory infections. In 1948, there were only 2.7 infant deaths per thousand live births from the acute respiratory diseases, not much more than half the rate of

5.1 in 1940.

Diarrhea and enteritis was second only to prematurity among the leading causes of infant mortality in 1921. Thanks to better sanitation and better infant care both in hospital and home, diarrhea and enteritis has dropped to fifth place among the most frequent causes of infant death. Some, but not much, reduction has taken place since 1940.

Success in preserving the lives of babies from hazards that arise after birth, has had the effect of increasing our concern over the conditions in fetal life which have always had such an important bearing on survival and healthy development after birth. Congenital malformations, of course, have remained a constant biological phenomenon. Birth injury as a cause of death has also held steady. With congenital malformations second only to premature birth, and with birth injury third among the principal causes of infant death, we now find that two-thirds of all deaths in the first year of life are due to conditions that arise previous to, or during, birth. This concentrates attention, as never before, on intra-uterine life. Coupled with this, arises an even broader question that is heard more and more frequently. "How can we prevent a greater part of the wastage of the products of conception?" The problem of answering this question poses difficulties that are almost matched by the troubles which our statistics will face in trying to measure progress in that area.

TABLE E - LEADING CAUSES OF INFANT MORTALITY OCCURRING IN ILLINOIS: 1940 - 1948

(Rates per 1,000 live births)

Int. List Number (5th revision)	Cause	1940	1941	1942	1943	1944	1945	1946	1947	1948
	All Causes	35.2	33.9	32.9	33.2	32.4	31.8	30.2	28.9	27.6
159	Premature birth	12.3	11.3	11.6	11.0	9.4	10.1	11.4	10.2	10.5
161a	Asphyxia	1.5	1.8	1.6	1.6	1.5	1.6	1.6	1.7	1.7
158	Congenital debility	0.4	0.2	0.3	0.2	0.4	0.2	0.2	0.1	0.1
1-44, 58, 106a, 107-109	Infectious and parasitic diseases, total	6.1	5.4	4.8	5.7	5.3	5.0	3.4	3.3	3.1
	Acute respiratory diseases	5.1	4.4	3.8	4.6	4.3	4.1	2.9	2.9	2.7
33a, b	Influenza	0.4	0.5	0.3	0.4	0.4	0.4	0.1	0.1	0.1
107-109	Pneumonia	4.4	3.7	3.4	4.1	3.8	3.7	2.7	2.7	2.5
106a	Acute bronchitis	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
30f	Congenital syphilis	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
13a-22b	Tuberculosis, all forms	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1
13a-c	Pulmonary	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0
22a	Acute miliary	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1
157a-m	Congenital malformations, total	5.3	5.3	5.3	5.5	6.2	5.6	5.1	5.2	4.8
157e	Congenital malf. of the heart	2.3	2.6	2.2	2.7	3.2	2.9	2.3	2.3	2.0
157g	Congenital malf. of the digestive system	0.9	1.0	0.8	0.8	0.8	0.9	1.0	0.9	1.0
157a	Congenital hydrocephalus	0.8	0.6	0.8	0.7	0.8	0.8	0.8	0.8	0.7
157b	Spina bifida	0.5	0.5	0.5	0.5	0.6	0.4	0.4	0.4	0.4
157c	Anencephalus	0.3	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.2
160a-c	Birth injuries, total	3.9	4.1	3.8	3.5	4.4	3.9	4.1	3.9	3.3
160a	Intracranial or spinal hemorrhage	2.7	2.8	2.3	1.8	2.3	1.9	2.2	2.2	2.0
160b	Other intracranial or spinal injuries	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
115-129	Diseases of the digestive system, total	1.8	2.2	1.8	1.9	1.7	1.7	1.3	1.2	1.1
119a, b	Diarrhea and enteritis, ulcerations	1.3	1.6	1.3	1.4	1.3	1.4	1.0	0.8	0.8
122	Hernia and intestinal obstructions	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.1
169-195e	Accidents, all forms, total	0.8	0.8	0.7	0.8	1.0	0.8	0.7	0.8	0.7
182	Mechanical suffocation	0.5	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.3
195d	Obstruction by ingested objects	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
80-89	Diseases of the nervous system, total	0.6	0.6	0.7	0.6	0.4	0.4	0.4	0.4	0.4
89a	Otitis and other diseases of the ear	0.2	0.1	0.2	0.1	0.0	0.0	0.1	0.0	0.0
86	Convulsions	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
81a, b	Meningitis (not due to meningococcus)	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2
45-55	Cancer, total	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74a, b	Leukemia and aleukemia	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0

TABLE 1. LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE,
FIRST NINE MONTHS, 1949
(All registrations within the State)

County of Occurrence	Estimated Civilian Population*	Live Births	Still-births	Deaths	County of Occurrence	Estimated Civilian Population*	Live Births	Still-births	Deaths
Entire State	8,436,375	136,909	2,397	67,589	La Salle	102,928	1,733	24	842
Chicago	3,631,095	57,832	1,188	28,068	Lawrence	21,548	52	1	94
Downstate	4,805,280	79,077	1,209	39,521	Lee	36,014	505	8	348
					Livingston	39,924	533	8	321
Adams	68,353	1,150	21	689	Logan	30,414	446	3	290
Alexander	26,686	538	14	237	McDonough	27,812	528	12	288
Bond	14,814	11	--	78	McHenry	39,156	599	10	358
Boone	15,758	370	1	155	McLean	77,504	1,452	26	696
Brown	8,051	20	--	56	Macon	90,643	2,027	30	770
Bureau	58,775	657	13	327	Macoupin	47,978	182	3	267
Calhoun	8,156	20	--	35	Madison	163,804	3,057	53	1,257
Carroll	18,520	252	6	119	Marion	50,015	881	12	374
Cass	17,008	263	4	125	Marshall	13,520	8	1	69
Champaign	75,857	2,017	29	557	Mason	15,798	28	--	71
Christian	40,161	716	13	291	Massac	15,258	135	1	140
Clark	18,965	53	2	125	Menard	10,896	23	--	43
Clay	19,393	123	2	68	Mercer	18,135	17	--	64
Clinton	23,814	306	8	155	Monroe	12,951	4	--	62
Coles	40,459	832	11	357	Montgomery	35,551	748	14	380
Cook	4,398,812	71,155	1,282	34,830	Morgan	37,740	629	10	648
Crawford	21,821	329	7	189	Moultrie	13,764	29	1	81
Cumberland	11,673	55	4	69	Ogle	30,876	287	2	189
De Kalb	36,034	746	11	310	Peoria	164,795	3,829	72	1,527
De Witt	18,764	184	--	147	Perry	24,348	355	3	156
Douglas	18,070	278	5	120	Piatt	15,028	132	2	56
Du Page	111,749	1,650	26	824	Pike	25,593	243	3	188
Edgar	25,066	308	3	221	Pope	7,861	46	2	44
Edwards	9,131	45	--	42	Pulaski	16,205	92	3	112
Effingham	22,765	488	13	223	Putnam	5,372	--	--	21
Fayette	29,588	412	8	169	Randolph	34,897	602	9	215
Ford	15,504	181	4	89	Richland	17,631	478	8	183
Franklin	55,750	532	10	296	Rock Island	122,238	2,555	36	1,128
Fulton	46,196	635	9	334	St. Clair	183,823	2,896	77	1,432
Gallatin	11,633	77	1	67	Saline	39,526	696	11	330
Greene	20,836	403	6	135	Sangamon	125,369	2,545	45	1,214
Grundy	19,190	242	4	110	Schuyler	11,467	83	--	50
Hamilton	13,376	177	3	87	Scott	8,317	13	--	23
Hancock	26,865	136	2	137	Shelby	26,558	235	3	168
Hardin	7,898	104	8	52	Stark	9,064	2	--	24
Henderson	9,110	10	--	37	Stephenson	42,416	914	15	387
Henry	45,616	747	11	356	Tazewell	62,584	782	11	337
Iroquois	33,197	411	5	205	Union	21,985	320	7	348
Jackson	39,548	749	20	301	Vermilion	91,440	1,548	26	815
Jasper	13,375	57	--	49	Wabash	14,220	104	2	94
Jefferson	35,644	777	13	305	Warren	22,002	415	9	209
Jersey	14,081	42	1	80	Washington	15,912	26	--	63
Jo Daviess	20,475	29	1	125	Wayne	22,230	150	--	108
Johnson	10,668	72	--	54	White	20,534	149	4	112
Kane	139,207	3,746	64	1,688	Whiteside	45,787	878	13	303
Kankakee	64,622	1,146	18	1,175	Will	121,661	2,141	38	952
Kendall	11,354	2	--	32	Williamson	53,796	621	8	461
Knox	54,943	939	13	447	Winnebago	130,935	2,773	47	978
Lake	133,538	3,174	48	1,132	Woodford	19,683	17	--	93

* Estimated population as of May 15, 1949.

TABLE II. ALL DEATHS IN ILLINOIS ACCORDING TO CAUSE, FIRST NINE MONTHS, 1949

(All registrations within the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	67,589	2,837	3,813	4,419	560	1,059	5,286	20,542	35,707	3,042
SELECTED CAUSES OF DEATH	64,264	2,795	3,659	4,137	472	917	4,758	19,551	34,419	2,822
Diseases of infancy, total	3,041	2,623	2,894	2,955	15	16	31	17	6	42
Premature birth	1,403	1,388	1,403	1,403	xxx	xxx	xxx	xxx	xxx	15
Maternal causes, total	110	xxx	xxx	xxx	--	25	85	--	xxx	1
Puerperal septicemia	39	xxx	xxx	xxx	xxx	10	29	--	xxx	1
Puerperal toxemia	30	xxx	xxx	xxx	--	7	23	--	xxx	--
Communicable diseases, total	4,880	111	445	598	135	214	823	1,566	1,543	458
Acute respiratory diseases, total	2,169	107	392	476	30	20	159	485	998	66
Influenza	66	--	6	13	1	2	7	9	34	--
Pneumonia	2,103	107	386	463	29	18	152	476	964	66
Diphtheria	3	--	1	2	--	--	--	1	--	1
Dysentery—all forms	10	--	--	--	1	--	2	5	2	--
Encephalitis—infectious	13	--	--	--	--	--	1	8	4	--
Measles	7	--	2	4	1	1	--	1	--	--
Meningitis—meningococcus	39	--	7	19	6	1	3	7	3	--
Pertussis (whooping cough)	22	--	18	21	--	--	1	--	--	--
Poliomyelitis	191	--	2	21	67	48	50	5	--	12
Rheumatic fever	25	--	--	1	7	5	3	5	4	1
Scarlet fever	2	--	--	--	2	--	--	--	--	--
Syphilis	464	2	2	2	--	2	38	264	158	27
Tuberculosis—all forms	1,856	2	11	38	16	133	550	761	558	347
Pulmonary tuberculosis	1,719	2	5	10	6	119	522	728	334	340
Other communicable diseases	79	--	10	14	5	4	16	24	16	4
Accidents—all forms, total	3,705	19	95	233	184	337	668	888	1,592	315
Motor vehicle	1,103	--	6	53	69	202	288	285	206	164
Home	1,335	7	69	132	34	25	98	209	837	31
Occupational	300	xxx	xxx	xxx	2	25	105	129	39	31
Public	967	12	20	48	79	85	177	265	310	89
Arteriosclerosis	1,123	xxx	xxx	xxx	--	--	4	118	1,001	54
Cancer	10,254	1	4	27	38	52	772	4,209	5,156	532
Diabetes	2,125	--	2	5	4	20	62	768	1,266	59
Diseases of digestive system, total	2,981	37	203	270	41	39	377	1,163	1,091	147
Appendicitis	201	1	1	11	17	8	40	72	53	5
Cirrhosis of the liver	903	2	6	10	1	4	162	443	283	63
Diarrhea and enteritis	242	28	157	178	3	4	15	19	23	6
Hernia and intestinal obstruction	487	2	18	25	7	5	41	142	267	13
Ulcers of stomach or duodenum	500	2	6	7	2	2	46	251	192	26
Goiter—exophthalmic	115	--	--	--	--	2	11	58	44	4
Heart disease, total	25,780	3	7	18	32	90	1,178	8,021	16,437	862
Coronary	7,051	--	1	1	--	12	380	3,063	3,593	207
Chronic rheumatic	1,142	--	--	3	20	38	212	421	448	61
Homicide	291	1	2	6	4	40	161	68	12	8
Intracranial lesions of vascular origin	5,213	--	7	15	7	10	173	1,426	3,581	158
Nephritis	3,564	--	--	10	10	39	218	887	2,400	151
Prostatic disease	362	--	--	--	--	--	48	48	314	11
Suicide	720	xxx	xxx	xxx	2	33	195	314	176	30
ALL OTHER KNOWN CAUSES	3,027	41	147	268	79	102	463	919	1,194	160
CAUSE AS YET UNASSIGNED	298	1	7	14	9	40	65	72	94	50

* Age not reported for 16 deaths.

ENTIRE STATE--1940 population: Total 7,897,241; Urban 5,809,650; Rural 2,087,591.

For a detailed discussion of the 4 principal geographic Regions of the State see Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1944."

TABLE III. DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, FIRST NINE MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	38,475	1,623	2,221	2,528	278	555	3,444	13,585	18,081	2,780
SELECTED CAUSES OF DEATH	36,878	1,603	2,140	2,382	237	479	3,141	13,038	17,598	2,634
Diseases of infancy, total	1,749	1,497	1,665	1,702	6	8	21	8	4	105
Premature birth	826	818	826	826	xxx	xxx	xxx	xxx	xxx	50
Maternal causes, total	55	xxx	xxx	xxx	--	13	42	--	xxx	2
Puerperal septicemia	18	xxx	xxx	xxx	--	5	13	--	xxx	--
Puerperal toxemia	13	xxx	xxx	xxx	--	3	10	--	xxx	1
Communicable diseases, total	3,072	78	291	372	69	143	596	1,083	809	198
Acute respiratory diseases, total	1,366	76	258	301	15	15	106	367	562	93
Influenza	16	--	1	2	--	2	3	3	6	1
Pneumonia	1,350	76	257	299	15	13	103	364	556	92
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	6	--	--	--	1	--	1	3	1	--
Encephalitis—infectious	8	--	--	--	--	--	--	5	3	1
Measles	2	--	--	1	1	--	--	--	--	--
Meningitis—meningococcus	26	--	5	14	4	--	2	5	1	1
Pertussis (whooping cough)	16	--	14	15	--	--	1	--	--	--
Polio myelitis	71	--	--	4	26	17	21	3	--	10
Rheumatic fever	17	--	--	1	5	3	3	4	1	2
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	213	1	1	1	--	1	18	131	62	30
Tuberculosis—all forms	1,309	1	9	31	15	105	434	549	175	58
Pulmonary tuberculosis	1,205	1	4	9	6	94	411	524	161	51
Other communicable diseases	38	--	4	4	2	2	10	16	4	3
Accidents—all forms, total	1,740	4	43	104	88	115	327	513	593	131
Motor vehicle	469	--	1	19	27	60	119	132	112	44
Home	646	4	40	77	19	16	67	140	327	53
Occupational	135	xxx	xxx	xxx	1	8	45	65	16	13
Public	490	--	2	8	41	31	96	176	138	21
Arteriosclerosis	474	xxx	xxx	xxx	--	--	3	64	407	105
Cancer	6,221	1	3	17	20	26	516	2,817	2,825	349
Diabetes	1,285	--	--	1	2	15	36	531	700	89
Diseases of digestive system, total	1,834	20	126	155	16	19	262	793	589	105
Appendicitis	99	--	--	4	7	2	22	46	18	10
Cirrhosis of the liver	629	--	4	6	--	3	127	325	168	20
Diarrhea and enteritis	140	15	102	109	--	2	11	8	10	6
Hernia and intestinal obstruction	264	1	8	10	4	2	25	86	137	19
Ulcers of stomach or duodenum	319	2	5	6	--	2	31	164	116	25
Goiter—exophthalmic	67	--	--	--	--	1	5	38	23	9
Heart disease, total	15,151	2	5	13	23	61	832	5,482	8,737	1,198
Coronary	3,529	--	1	1	--	8	246	1,754	1,519	240
Chronic rheumatic	635	--	--	2	16	27	143	277	170	48
Homicide	216	1	2	3	4	29	126	45	9	5
Intracranial lesions of vascular origin	2,537	--	5	10	3	5	118	868	1,533	182
Nephritis	1,890	--	--	5	5	25	151	577	1,127	117
Prostatic disease	199	--	--	--	--	--	--	38	161	9
Suicide	388	xxx	xxx	xxx	1	19	106	181	81	30
ALL OTHER KNOWN CAUSES	1,484	19	79	142	37	57	266	523	458	130
CAUSE AS YET UNASSIGNED	113	1	2	4	4	19	37	24	25	16

* Age not reported for 4 deaths.

Chicago Metropolitan Area (Region I)--1940 population: Total 4,532,332; Urban 4,256,601; Rural 275,731.
Counties: Cook, Du Page, Kane, Lake and Will.

TABLE IV. DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, FIRST NINE MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	7,255	288	382	461	83	113	468	1,788	4,340	3,343
SELECTED CAUSES OF DEATH	6,833	282	361	426	63	100	399	1,688	4,155	3,123
Diseases of infancy, total	327	273	306	317	4	2	2	2	--	142
Premature birth	124	121	124	124	xxx	xxx	xxx	xxx	xxx	45
Maternal causes, total	13	xxx	xxx	xxx	--	2	11	--	xxx	5
Puerperal septicemia	7	xxx	xxx	xxx	--	2	5	--	--	4
Puerperal toxemia	2	xxx	xxx	xxx	--	--	2	--	--	--
Communicable diseases, total	527	6	31	52	15	19	81	157	202	308
Acute respiratory diseases, total	226	6	27	38	7	--	27	32	121	120
Influenza	16	--	3	8	1	--	1	--	6	12
Pneumonia	210	6	24	30	6	--	26	32	115	108
Diphtheria	2	--	--	1	--	--	--	1	--	--
Dysentery—all forms	1	--	--	--	--	--	1	--	--	1
Encephalitis—infectious	3	--	--	--	--	--	1	2	--	3
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	3	--	--	--	1	--	--	1	1	2
Pertussis (whooping cough)	1	--	1	1	--	--	--	--	--	1
Poliomyelitis	22	--	--	4	6	5	7	--	--	13
Rheumatic fever	1	--	--	--	--	--	--	1	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	90	--	--	--	--	1	9	50	30	61
Tuberculosis—all forms	164	--	--	1	--	13	35	67	48	102
Pulmonary tuberculosis	156	--	--	--	--	13	33	64	46	98
Other communicable diseases	14	--	3	7	1	--	1	3	2	5
Accidents—all forms, total	426	--	6	21	29	45	64	70	197	216
Motor vehicle	133	--	--	5	16	34	31	32	15	66
Home	166	--	6	10	2	2	5	19	128	84
Occupational	30	xxx	xxx	xxx	--	4	12	8	6	15
Public	97	--	--	6	11	5	16	11	48	51
Arteriosclerosis	152	xxx	xxx	xxx	--	--	--	11	141	69
Cancer	1,004	--	1	2	2	8	67	347	578	422
Diabetes	227	--	--	1	--	2	13	68	143	89
Diseases of digestive system, total	326	3	16	27	9	6	25	115	144	121
Appendicitis	30	--	--	1	4	2	2	9	12	13
Cirrhosis of the liver	84	--	--	--	--	--	8	39	37	27
Diarrhea and enteritis	22	3	11	16	--	1	1	4	--	13
Hernia and intestinal obstruction	63	--	3	5	--	1	4	17	36	25
Ulcers of stomach or duodenum	54	--	--	--	1	--	4	26	23	19
Goiter—exophthalmic	12	--	--	--	--	1	3	3	5	7
Heart disease, total	2,740	--	--	3	2	4	90	661	1,980	1,291
Coronary	955	--	--	--	--	--	37	351	567	397
Chronic rheumatic	124	--	--	1	1	1	23	38	60	55
Homicide	7	--	--	--	--	1	4	1	1	1
Intracranial lesions of vascular origin	637	--	1	2	1	--	11	143	479	263
Nephritis	326	--	--	1	--	6	14	76	229	142
Prostatic disease	34	--	--	--	--	--	--	3	31	13
Suicide	75	xxx	xxx	xxx	1	4	14	31	25	34
ALL OTHER KNOWN CAUSES	376	6	18	31	19	10	61	85	170	194
CAUSE AS YET UNASSIGNED	46	--	3	4	1	3	8	15	15	26

* Age not reported for 2 deaths.

Northern Area (Region 2)—1940 population: Total 782,703; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, De Kalb, Grundy, Henry, Jo Daviess, Kankakee, Kendall, La Salle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.

TABLE V. DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA, FIRST NINE MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	1,773	101	125	139	18	25	134	444	1,012	695
SELECTED CAUSES OF DEATH	1,668	98	118	126	16	25	123	410	968	649
Diseases of infancy, total	102	93	98	98	--	1	1	1	1	38
Premature birth	45	45	45	45	xxx	xxx	xxx	xxx	xxx	20
Maternal causes, total	5	xxx	xxx	xxx	--	--	5	--	xxx	3
Puerperal septicemia	3	xxx	xxx	xxx	--	--	3	--	xxx	2
Puerperal toxemia	1	xxx	xxx	xxx	--	--	1	--	xxx	1
Communicable diseases, total	135	2	8	10	3	3	16	39	64	73
Acute respiratory diseases, total	67	2	6	8	--	1	4	12	42	35
Influenza	1	--	--	--	--	--	--	1	--	--
Pneumonia	66	2	6	8	--	1	4	11	42	35
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	--	--	--	--	--	--	--	--	--	--
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Poliomyelitis	6	--	1	1	2	2	1	--	--	5
Rheumatic fever	1	--	--	--	1	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	19	--	--	--	--	--	1	11	7	13
Tuberculosis—all forms	40	--	--	--	--	--	10	16	14	20
Pulmonary tuberculosis	39	--	--	--	--	--	9	16	14	20
Other communicable diseases	2	--	1	1	--	--	--	--	1	--
Accidents—all forms, total	137	1	6	10	9	14	28	17	59	69
Motor vehicle	43	--	2	3	5	8	13	6	8	23
Home	60	1	4	7	2	2	3	8	38	37
Occupational	8	xxx	xxx	xxx	--	--	5	2	1	2
Public	26	--	--	--	2	4	7	1	12	7
Arteriosclerosis	65	xxx	xxx	xxx	--	--	--	3	62	56
Cancer	251	--	--	--	3	1	19	84	144	76
Diabetes	41	--	1	1	--	--	--	10	30	14
Diseases of digestive system, total	80	2	5	6	1	1	9	30	33	22
Appendicitis	7	--	--	1	--	--	3	1	2	3
Cirrhosis of the liver	23	1	1	1	1	--	2	15	4	7
Diarrhea and enteritis	3	1	2	2	--	--	--	--	1	1
Hernia and intestinal obstruction	12	--	1	1	--	1	--	2	8	1
Ulcers of stomach or duodenum	17	--	1	1	--	--	1	7	8	6
Goiter—exophthalmic	2	--	--	--	--	--	1	--	1	1
Heart disease, total	591	--	--	--	--	1	20	163	407	201
Coronary	211	--	--	--	--	--	6	85	120	72
Chronic rheumatic	52	--	--	--	--	--	5	19	28	9
Homicide	9	--	--	--	--	1	4	4	--	--
Intracranial lesions of vascular origin	124	--	--	1	--	1	4	25	93	54
Nephritis	89	--	--	--	--	1	7	21	60	28
Prostatic disease	6	--	--	--	--	--	--	--	6	2
Suicide	31	xxx	xxx	xxx	--	1	9	13	8	12
ALL OTHER KNOWN CAUSES	100	3	7	12	2	--	10	33	43	45
CAUSE AS YET UNASSIGNED	5	--	--	1	--	--	1	1	1	1

* Age not reported for 1 death.

Peoria Metropolitan Area (Region 3)—1940 population: Total 211,736; Urban 139,211; Rural 72,525.
Counties: Peoria and Tazewell.

TABLE VI. DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, FIRST NINE MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	11,028	425	572	679	85	471	548	2,391	7,151	5,506
SELECTED CAUSES OF DEATH	10,391	418	546	651	74	148	476	2,222	6,839	5,180
Diseases of infancy, total	464	395	441	449	3	5	1	4	1	230
Premature birth	210	207	210	210	xxx	xxx	xxx	xxx	xxx	99
Maternal causes, total	15	xxx	xxx	xxx	--	3	12	--	xxx	8
Puerperal septicemia	4	xxx	xxx	xxx	--	1	3	--	xxx	3
Puerperal toxemia	7	xxx	xxx	xxx	--	1	6	--	xxx	3
Communicable diseases, total	576	13	61	84	22	23	58	135	254	275
Acute respiratory diseases, total	277	12	53	70	4	2	10	36	155	144
Influenza	12	--	1	2	--	--	1	2	7	9
Pneumonia	265	12	52	68	4	2	9	34	148	135
Diphtheria	1	--	1	1	--	--	--	--	--	1
Dysentery—all forms	1	--	--	--	--	--	--	--	1	1
Encephalitis—infectious	2	--	--	--	--	--	--	1	1	1
Measles	2	--	1	1	--	1	--	--	--	1
Meningitis—meningococcus	3	--	1	1	--	--	1	--	--	3
Pertussis (whooping cough)	1	--	1	1	--	--	--	--	--	1
Polioomyelitis	49	--	1	7	15	14	13	--	--	20
Rheumatic fever	2	--	--	--	1	--	--	--	1	2
Scarlet fever	2	--	--	--	2	--	--	--	--	1
Syphilis	69	1	1	1	--	--	1	37	30	27
Tuberculosis—all forms	154	--	1	1	--	6	29	57	61	67
Pulmonary tuberculosis	144	--	--	--	--	5	28	53	58	63
Other communicable diseases	13	--	1	1	--	--	4	3	5	6
Accidents—all forms, total	706	5	17	49	28	74	95	119	341	345
Motor vehicle	218	--	2	14	12	49	48	48	47	106
Home	298	2	9	18	10	3	11	23	233	132
Occupational	59	xxx	xxx	xxx	1	8	13	26	11	35
Public	131	3	6	17	5	14	23	22	50	72
Arteriosclerosis	186	xxx	xxx	xxx	--	--	1	9	176	100
Cancer	1,577	--	--	4	5	10	90	517	951	742
Diabetes	519	--	1	2	1	2	5	84	225	170
Diseases of digestive system, total	399	5	25	37	7	9	39	117	190	205
Appendicitis	34	1	1	2	5	3	3	10	11	19
Cirrhosis of the liver	93	--	--	2	--	1	11	34	45	35
Diarrhea and enteritis	31	4	18	21	1	--	1	5	3	19
Hernia and intestinal obstruction	87	--	2	4	1	1	6	20	55	49
Ulcers of stomach or duodenum	56	--	--	--	--	--	5	25	26	26
Goiter—exophthalmic	23	--	--	--	--	--	1	12	10	11
Heart disease, total	4,097	--	--	--	4	10	94	869	3,120	2,042
Coronary	1,427	--	--	--	--	3	46	480	898	695
Chronic rheumatic	189	--	--	--	3	1	15	49	121	105
Homicide	15	--	--	--	--	2	8	5	--	5
Intracranial lesions of vascular origin	1,119	--	1	2	1	2	20	196	896	565
Nephritis	688	--	--	4	3	5	21	96	559	367
Prostatic disease	75	--	--	--	--	--	--	2	73	44
Suicide	132	xxx	xxx	xxx	--	3	31	55	43	71
ALL OTHER KNOWN CAUSES	589	7	25	47	9	19	64	161	288	297
CAUSE AS YET UNASSIGNED	48	--	1	1	2	4	8	8	24	29

* Age not reported for 3 deaths.

Central Area (Region 4)--1940 population: Total 1,331,175; Urban 551,587; Rural 779,588. Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Coles, Cumberland, De Witt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Meron, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.

TABLE VII. DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA,
FIRST NINE MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	2,521	132	154	173	17	43	169	691	1,428	951
SELECTED CAUSES OF DEATH	2,379	131	148	166	14	35	152	650	1,362	904
Diseases of infancy, total	133	126	130	132	--	--	--	1	--	46
Premature birth	70	70	70	70	xxx	xxx	xxx	xxx	xxx	26
Maternal causes, total	3	xxx	xxx	xxx	--	--	3	--	xxx	1
Puerperal septicemia	1	xxx	xxx	xxx	--	--	1	--	xxx	--
Puerperal toxemia	1	xxx	xxx	xxx	--	--	1	--	xxx	1
Communicable diseases, total	143	2	8	11	--	8	19	41	64	58
Acute respiratory diseases, total	66	2	8	11	--	2	4	13	36	23
Influenza	6	--	--	--	--	--	1	1	4	1
Pneumonia	60	2	8	11	--	2	3	12	32	22
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	1	--	--	--	--	--	--	1	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	--	--	--	--	--	--	--	--	--	--
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Polioomyelitis	6	--	--	--	--	3	2	1	--	1
Rheumatic fever	1	--	--	--	--	1	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	24	--	--	--	--	--	4	9	11	15
Tuberculosis—all forms	45	--	--	--	--	2	9	17	17	19
Pulmonary tuberculosis	44	--	--	--	--	2	8	17	17	19
Other communicable diseases	--	--	--	--	--	--	--	--	--	--
Accidents—all forms, total	164	--	4	9	8	15	26	44	62	70
Motor vehicle	48	--	--	1	3	8	14	15	7	13
Home	69	--	4	8	--	1	5	10	45	34
Occupational	17	xxx	xxx	xxx	--	3	5	7	2	9
Public	30	--	--	--	5	3	2	12	8	14
Arteriosclerosis	51	xxx	xxx	xxx	--	--	--	9	42	30
Cancer	321	--	--	2	1	1	17	127	173	117
Diabetes	80	--	--	--	--	--	2	22	56	23
Diseases of digestive system, total	97	3	6	9	3	--	13	28	44	34
Appendicitis	5	--	--	2	1	--	--	2	--	3
Cirrhosis of the liver	31	1	1	1	--	--	7	9	14	8
Diarrhea and enteritis	7	1	3	4	1	--	--	--	2	5
Hernia and intestinal obstruction	16	1	2	2	--	--	3	4	7	4
Ulcers of stomach or duodenum	15	--	--	--	--	--	1	8	6	7
Goiter—exophthalmic	3	--	--	--	--	--	--	1	2	1
Heart disease, total	939	--	--	--	2	5	37	265	630	367
Coronary	213	--	--	--	--	--	14	105	94	69
Chronic rheumatic	34	--	--	--	--	4	7	9	14	7
Homicide	21	--	--	3	--	5	8	5	--	5
Intracranial lesions of vascular origin	232	--	--	--	--	1	9	55	167	79
Nephritis	149	--	--	--	--	--	8	36	105	60
Prostatic disease	17	--	--	--	--	--	--	4	13	6
Suicide	26	xxx	xxx	xxx	--	--	10	12	4	8
ALL OTHER KNOWN CAUSES	118	1	6	7	2	5	16	33	55	39
CAUSE AS YET UNASSIGNED	24	--	--	--	1	3	1	8	11	7

East St. Louis Metropolitan Area (Region 5)--1940 population: Total 316,248; Urban 213,175; Rural 103,073.
Counties: Madison and St. Clair.

TABLE VIII. DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, FIRST NINE MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	5,285	227	299	357	66	100	318	1,191	3,249	3,303
SELECTED CAUSES OF DEATH	4,981	223	290	338	61	86	294	1,127	3,071	3,109
Diseases of infancy, total	214	202	212	213	--	--	--	1	--	124
Premature birth	107	106	107	107	xxx	xxx	xxx	xxx	xxx	59
Maternal causes, total	17	xxx	xxx	xxx	--	6	11	--	xxx	12
Puerperal septicemia	5	xxx	xxx	xxx	--	2	3	--	xxx	
Puerperal toxemia	5	xxx	xxx	xxx	--	2	3	--	xxx	4
Communicable diseases, total	362	8	40	58	25	14	39	87	139	252
Acute respiratory diseases, total	144	7	34	39	4	--	6	20	75	97
Influenza	15	--	1	1	--	--	1	2	11	12
Pneumonia	129	7	33	38	4	--	5	18	64	85
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	1	--	--	--	--	--	--	1	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	3	--	1	2	--	--	--	1	--	2
Meningitis—meningococcus	7	--	1	4	1	1	--	--	1	7
Pertussis (whooping cough)	4	--	2	4	--	--	--	--	--	3
Poliomyelitis	34	--	--	5	18	5	5	1	--	25
Rheumatic fever	2	--	--	--	--	1	--	--	1	2
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	40	--	--	--	--	--	5	19	16	28
Tuberculosis—all forms	117	1	1	3	1	5	22	44	42	81
Pulmonary tuberculosis	107	1	1	1	--	4	22	43	37	76
Other communicable diseases	10	--	1	1	1	2	1	1	4	7
Accidents—all forms, total	364	9	18	36	20	48	69	71	117	213
Motor vehicle	104	--	1	9	6	27	27	23	12	63
Home	80	--	5	10	1	1	5	9	54	45
Occupational	32	xxx	xxx	xxx	--	1	17	12	2	20
Public	148	9	12	17	13	19	20	27	49	85
Arteriosclerosis	188	xxx	xxx	xxx	--	--	--	20	168	163
Cancer	670	--	--	2	7	2	40	211	408	402
Diabetes	143	--	--	--	1	1	5	42	94	91
Diseases of digestive system, total	188	3	18	27	4	3	17	51	86	113
Appendicitis	20	--	--	1	--	1	7	2	9	13
Cirrhosis of the liver	30	--	--	--	--	--	2	13	15	17
Diarrhea and enteritis	29	3	16	20	1	--	1	1	6	18
Hernia and intestinal obstruction	36	--	1	1	1	--	2	9	23	26
Ulcers of stomach or duodenum	30	--	--	--	1	--	3	14	12	15
Goiter—exophthalmic	6	--	--	--	--	--	1	4	1	4
Heart disease, total	1,858	1	2	2	1	6	63	430	1,355	1,130
Coronary	562	--	--	--	--	1	21	217	322	322
Chronic rheumatic	89	--	--	--	--	4	11	22	52	53
Homicide	17	--	--	--	--	1	7	7	2	4
Intracranial lesions of vascular origin	500	--	--	--	1	1	8	117	373	314
Nephritis	373	--	--	--	2	1	13	65	292	236
Prostatic disease	25	--	--	--	--	--	--	1	24	15
Suicide	56	xxx	xxx	xxx	--	3	21	20	12	36
ALL OTHER KNOWN CAUSES	277	4	8	16	5	8	23	59	166	174
CAUSE AS YET UNASSIGNED	27	--	1	3	--	6	1	5	12	20

* Age not reported for 4 deaths.

Southern Area (Region 6)--1940 population: Total 723,047; Urban 228,885; Rural 494,162.

Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.

VITAL STATISTICS IN THE FIRST SIX MONTHS 1949

FIVE PER CENT MORE BIRTHS

Live birth registrations were 5 per cent higher in the first half of 1949 as compared to the same period of 1948. An increase of over 4,500 live births was recorded for the period for an average rate of 20.9 annual live births per thousand inhabitants. The average rate for the first half of 1948 was 20.0 annual live births per thousand population. The birth rates in states all across the nation, in the first half of 1949, have remained at essentially the same levels recorded in the first six months of 1948. The average annual rate for the nation as a whole, from January through June, 1949, was 23.1 per thousand population as compared to a rate of 23.3 for the same period of 1948.

TABLE A - BIRTH AND DEATH RATES FOR THE FIRST SIX MONTHS

	1949	1948
LIVE BIRTHS per 1,000 population	20.9	20.0
DEATHS per 1,000 population	10.9	11.1

Note: Rates are expressed as their annual equivalents, based on estimates of Illinois' population as follows: April 1, 1949--8,423,750; April 1, 1948--8,316,250.

Mortality from all causes was 10.9 per thousand population in the first six months of 1949, as compared to a rate of 11.1 deaths per thousand inhabitants recorded in the like period of 1948. Mortality from heart disease and from cancer was essentially the same in the two corresponding periods. A further decline in the mortality experience from tuberculosis was recorded, the death rate dropping from 32.5 deaths per hundred thousand population in the first half of 1948, to 30.5 in the first half of 1949.

TABLE B - FETAL, INFANT, AND MATERNAL MORTALITY RATES, FIRST SIX MONTHS

	Per 1,000 live births	
	1949	1948
FETAL MORTALITY (Stillbirths)	17.7	18.2
NEONATAL MORTALITY (under 1 month)	20.6	20.6
INFANT MORTALITY (under 1 year)	28.4	29.4
Premature birth	10.3	10.9
MATERNAL MORTALITY	0.8	1.0

The maternal mortality experience for the first half of 1949 was below the very good record for the same period of 1948. Only 0.8 mothers died for every thousand live births in the first

six months of 1949, as compared to a rate of 1.0 for the corresponding period of 1948.

TABLE C - MORTALITY FROM THE TEN LEADING CAUSES, FIRST SIX MONTHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1949	1948	1949	1948
Heart disease	17,986	17,632	427.0	424.0
Cancer	6,824	6,652	162.0	160.0
Cerebral hemorrhage*	3,591	3,607	85.3	86.7
Nephritis	2,506	2,659	59.5	63.9
All accidents	2,410	2,724	57.2	65.5
Influenza and pneumonia	1,640	1,485	38.9	35.7
Diabetes	1,445	1,402	34.3	33.7
Tuberculosis	1,286	1,353	30.5	32.5
Premature birth	903	904	21.4	21.7
Arteriosclerosis	723	671	17.2	16.1

* Intracranial lesions of vascular origin.

Note: Rates are expressed as their annual equivalents.

The accident death rate was lower for the six month period ending June 30, 1949, than for the same period of 1948. There was lower mortality for every form of accident. Percentage-wise, the greatest reduction was for occupational accident mortality with a rate of 4.5 deaths per 100,000 inhabitants or 24 per cent below the death rate for the corresponding period of 1948. Automobile accident mortality, during the first half of 1949, was 19 per cent below the rate for the first half of 1948 despite an increase in the number of miles traveled by motor vehicles.

TABLE D - ACCIDENTAL DEATHS FOR THE FIRST SIX MONTHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1949	1948	1949	1948
ALL ACCIDENTS	2,410	2,724	57.2	65.5
Motor vehicle	709	861	16.8	20.7
Home accidents	903	970	21.4	23.3
Occupational	188	245	4.5	5.9
Public accidents	610	648	14.5	15.6

Note: Rates are expressed as their annual equivalents.

TABLE I. LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE,
FIRST SIX MONTHS, 1949
(All registrations within the State)

County of Occurrence	Estimated Civilian Population*	Live Births	Stillbirths	Deaths	County of Occurrence	Estimated Civilian Population*	Live Births	Stillbirths	Deaths
Entire State	8,423,750	87,828	1,558	46,109	La Salle	102,804	1,058	14	591
Chicago	3,623,189	37,317	722	19,439	Lawrence	21,532	40	1	63
Downstate	4,800,561	50,511	836	26,670	Lee	35,966	334	3	241
					Livingston	39,875	349	5	214
Adams	68,270	758	13	470	Logan	30,382	299	2	192
Alexander	26,665	311	10	148	McDonough	27,780	330	9	188
Bond	14,800	2	--	58	McHenry	39,074	370	7	229
Boone	15,734	237	1	107	McLean	77,394	954	18	459
Brown	8,046	14	--	41	Macon	90,470	1,308	16	521
Bureau	38,727	429	7	234	Macoupin	47,933	128	2	182
Calhoun	8,147	14	--	25	Madison	163,462	1,886	35	849
Carroll	18,496	150	4	77	Marion	49,950	546	6	244
Cass	16,986	169	3	88	Marshall	13,502	4	1	44
Champaign	75,622	1,313	15	374	Mason	15,780	11	--	41
Christian	40,106	470	9	198	Massac	15,250	87	1	92
Clark	18,953	32	2	90	Menard	10,880	19	--	31
Clay	19,363	73	1	45	Mercer	18,106	13	--	38
Clinton	23,773	191	5	106	Monroe	12,936	2	--	39
Coles	40,393	529	8	228	Montgomery	35,513	472	11	247
Cook	4,392,546	45,918	850	24,094	Morgan	37,716	391	4	437
Crawford	21,799	199	4	121	Moultrie	13,742	21	1	58
Cumberland	11,662	32	3	50	Ogle	30,829	175	1	140
De Kalb	35,973	480	7	209	Peoria	164,493	2,422	40	1,039
De Witt	18,746	115	--	104	Perry	24,323	225	3	106
Douglas	18,049	167	4	78	Platt	15,006	82	1	36
Du Page	111,498	1,045	19	589	Pike	25,576	148	2	121
Edgar	25,044	190	2	147	Pope	7,860	24	1	35
Edwards	9,124	25	--	33	Pulaski	16,197	59	2	80
Effingham	22,732	353	9	189	Putnam	5,370	--	--	13
Fayette	29,550	258	6	119	Randolph	34,856	367	6	138
Ford	15,476	113	3	52	Richland	17,600	316	5	121
Franklin	55,691	330	6	209	Rock Island	121,986	1,637	23	758
Fulton	46,145	416	4	226	St. Clair	183,494	1,977	44	954
Gallatin	11,620	48	1	49	Saline	39,494	447	7	222
Greene	20,811	237	4	83	Sangamon	125,168	1,645	25	811
Grundy	19,158	150	1	78	Schuyler	11,454	45	--	35
Hamilton	13,363	96	1	59	Scott	8,304	6	--	16
Hancock	26,845	77	2	87	Shelby	26,530	141	1	122
Hardin	7,884	72	3	34	Stark	9,048	1	--	16
Henderson	9,099	8	--	21	Stephenson	42,364	576	7	265
Henry	45,558	480	7	244	Tazewell	62,426	516	10	226
Iroquois	33,144	277	3	141	Union	21,960	185	6	226
Jackson	39,495	451	15	204	Vermilion	91,319	968	20	529
Jasper	13,358	22	--	31	Wabash	14,202	67	2	59
Jefferson	35,585	480	8	201	Warren	21,972	260	2	139
Jersey	14,055	29	--	50	Washington	15,897	15	--	49
Jo Daviess	20,442	22	--	83	Wayne	22,196	94	--	80
Johnson	10,657	41	--	39	White	20,504	94	2	79
Kane	138,994	2,388	45	1,089	Whiteside	45,682	557	9	207
Kankakee	64,503	724	14	764	Will	121,473	1,370	25	632
Kendall	11,336	1	--	21	Williamson	53,749	384	4	310
Knox	54,870	597	11	308	Winnebago	130,626	1,782	31	656
Lake	133,204	2,078	33	732	Woodford	19,648	10	--	64

* Estimated population as of April 1, 1949.

TABLE II. ALL DEATHS IN ILLINOIS ACCORDING TO CAUSE, FIRST SIX MONTHS, 1949

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	46,109	1,810	2,496	2,898	325	641	3,581	13,981	24,670	2,066
SELECTED CAUSES OF DEATH	43,870	1,784	2,391	2,702	265	549	3,226	13,322	23,796	1,927
Diseases of infancy, total	1,958	1,678	1,863	1,901	12	12	20	8	4	32
Premature birth	903	894	903	903	xxx	xxx	xxx	xxx	xxx	8
Maternal causes, total	68	xxx	xxx	xxx	--	12	56	--	xxx	1
Puerperal septicemia	26	xxx	xxx	xxx	--	4	22	--	xxx	1
Puerperal toxemia	16	xxx	xxx	xxx	--	1	15	--	xxx	--
Communicable diseases, total	3,381	69	321	420	48	108	552	1,134	1,118	315
Acute respiratory diseases, total	1,640	66	288	352	22	15	120	384	746	57
Influenza	58	--	6	13	1	1	6	9	28	--
Pneumonia	1,582	66	282	339	21	14	114	375	718	57
Diphtheria	5	--	1	2	--	--	--	1	--	1
Dysentery—all forms	5	--	--	--	--	--	2	2	1	--
Encephalitis—infectious	7	--	--	--	--	--	--	5	2	--
Measles	6	--	2	4	--	1	--	1	--	--
Meningitis—meningococcus	31	--	7	15	3	1	3	7	2	--
Pertussis (whooping cough)	10	--	7	9	--	--	1	--	--	--
Poliomyelitis	1	--	--	--	1	--	--	--	--	--
Rheumatic fever	20	--	--	--	7	3	3	4	3	1
Scarlet fever	2	--	--	--	2	--	--	--	--	--
Syphilis	323	1	1	1	--	1	27	189	105	14
Tuberculosis—all forms	1,286	2	8	27	11	84	384	550	250	239
Pulmonary tuberculosis	1,201	2	4	8	5	78	371	509	230	235
Other communicable diseases	47	--	7	10	2	3	12	11	9	3
Accidents—all forms, total	2,410	17	76	164	113	199	433	549	949	190
Motor vehicle	709	--	4	38	43	123	192	170	143	109
Home	903	6	54	94	24	17	73	133	562	23
Occupational	188	xxx	xxx	xxx	1	18	69	74	26	19
Public	610	11	18	32	45	41	99	172	218	39
Arteriosclerosis	723	xxx	xxx	xxx	--	--	3	78	642	29
Cancer	6,824	1	4	22	20	37	533	2,761	3,451	370
Diabetes	1,445	--	2	5	2	12	41	550	835	41
Diseases of digestive system, total	1,961	17	118	160	28	23	257	773	720	97
Appendicitis	116	1	1	5	9	4	23	44	31	2
Cirrhosis of the liver	629	--	3	6	1	3	113	318	188	42
Diarrhea and enteritis	125	12	83	96	2	1	6	9	11	3
Hernia and intestinal obstruction	332	--	13	17	5	4	29	94	183	9
Ulcers of stomach or duodenum	342	2	5	6	2	1	35	167	131	20
Goiter—exophthalmic	89	--	--	--	--	2	9	44	34	3
Heart disease, total	17,986	2	2	9	24	65	795	5,533	11,556	600
Coronary	4,816	--	--	--	--	9	233	2,067	2,505	125
Chronic rheumatic	813	--	--	2	15	28	160	299	309	43
Homicide	194	--	1	3	2	23	110	47	9	7
Intracranial lesions of vascular origin	3,591	--	4	9	6	7	120	991	2,457	108
Nephritis	2,506	--	--	9	9	29	157	602	1,700	107
Prostatic disease	235	--	--	--	--	--	--	30	205	6
Suicide	499	xxx	xxx	xxx	1	20	140	222	116	21
ALL OTHER KNOWN CAUSES	2,053	26	101	188	53	70	317	613	811	104
CAUSE AS YET UNASSIGNED	186	--	4	8	7	22	38	46	63	35

* Age not reported for 13 deaths.

ENTIRE STATE--1940 population: Total 7,897,241; Urban 5,809,650; Rural 2,087,591.

For a detailed discussion of the 6 principal geographic Regions of the State see Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1944."

TABLE III. DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, FIRST SIX MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	26,499	1,034	1,427	1,633	166	336	2,404	9,330	12,626	1,884
SELECTED CAUSES OF DEATH	25,444	1,025	1,378	1,543	136	289	2,202	8,969	12,302	1,787
Diseases of infancy, total	1,119	960	1,068	1,092	3	5	13	3	3	61
Premature birth	531	526	531	531	xxx	xxx	xxx	xxx	xxx	28
Maternal causes, total	40	xxx	xxx	xxx	--	8	32	--	xxx	--
Puerperal septicemia	14	xxx	xxx	xxx	--	3	11	--	xxx	--
Puerperal toxemia	9	xxx	xxx	xxx	--	1	8	--	xxx	--
Communicable diseases, total	2,146	48	194	250	28	81	420	789	578	125
Acute respiratory diseases, total	1,013	46	176	207	9	12	85	288	412	60
Influenza	13	--	1	2	--	1	3	3	4	--
Pneumonia	1,000	46	175	205	9	11	82	285	408	60
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	2	--	--	--	--	--	1	--	1	--
Encephalitis—infectious	4	--	--	--	--	--	--	3	1	1
Measles	1	--	--	1	--	--	--	--	--	--
Meningitis—meningococcus	21	--	5	11	3	--	2	5	--	1
Pertussis (whooping cough)	5	--	3	4	--	--	1	--	--	--
Poliomyelitis	1	--	--	--	1	--	--	--	--	--
Rheumatic fever	12	--	--	--	5	1	3	3	--	2
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	157	1	1	1	--	--	16	99	41	24
Tuberculosis—all forms	907	1	6	23	10	66	303	383	122	35
Pulmonary tuberculosis	840	1	3	7	5	61	292	366	109	32
Other communicable diseases	23	--	3	3	--	2	9	8	1	2
Accidents—all forms, total	1,127	3	34	69	55	61	227	323	392	85
Motor vehicle	314	--	1	12	18	35	86	84	79	22
Home	435	3	31	53	14	10	53	92	213	43
Occupational	87	xxx	xxx	xxx	--	6	35	35	11	9
Public	291	--	2	4	23	10	53	112	89	11
Arteriosclerosis	313	xxx	xxx	xxx	--	--	2	48	263	70
Cancer	4,165	1	3	16	12	20	358	1,875	1,884	217
Diabetes	884	--	--	1	1	8	26	383	465	57
Diseases of digestive system, total	1,216	12	74	95	9	10	184	531	387	69
Appendicitis	58	--	--	1	3	1	14	29	10	6
Cirrhosis of the liver	444	--	3	5	--	2	91	234	112	15
Diarrhea and enteritis	74	8	54	60	--	--	5	2	7	4
Hernia and intestinal obstruction	174	--	6	7	2	2	17	56	90	13
Ulcers of stomach or duodenum	227	2	5	6	--	1	23	116	81	17
Goiter—exophthalmic	50	--	--	--	--	1	4	29	16	5
Heart disease, total	10,730	1	1	7	17	45	572	3,808	6,278	842
Coronary	2,454	--	--	--	--	5	157	1,200	1,091	168
Chronic rheumatic	456	--	--	2	11	21	105	197	120	34
Homicide	146	--	1	1	2	16	89	30	8	5
Intracranial lesions of vascular origin	1,765	--	3	7	3	3	87	606	1,059	136
Nephritis	1,330	--	--	5	5	20	107	389	804	86
Prostatic disease	141	--	--	--	--	--	--	26	115	7
Suicide	272	xxx	xxx	xxx	1	11	81	129	50	22
ALL OTHER KNOWN CAUSES	988	9	49	89	26	37	180	346	309	87
CAUSE AS YET UNASSIGNED	67	--	--	1	4	10	22	15	15	10

* Age not reported for 4 deaths.

Chicago Metropolitan Area (Region I)--1940 population: Total 4,532,332; Urban 4,256,601; Rural 275,731.
Counties: Cook, Du Page, Kane, Lake and Will.

TABLE IV. DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, FIRST SIX MONTHS, 1949

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	4,932	190	262	315	54	70	297	1,204	2,990	2,265
SELECTED CAUSES OF DEATH	4,651	186	248	289	42	62	249	1,143	2,864	2,123
Diseases of infancy, total	221	183	207	213	4	2	1	1	--	100
Premature birth	83	82	83	83	xxx	xxx	xxx	xxx	xxx	29
Maternal causes, total	7	xxx	xxx	xxx	--	1	6	--	xxx	2
Puerperal septicemia	4	xxx	xxx	xxx	--	1	3	--	xxx	2
Puerperal toxemia	2	xxx	xxx	xxx	--	--	2	--	xxx	--
Communicable diseases, total	364	2	24	37	8	12	46	107	153	209
Acute respiratory diseases, total	173	2	22	31	7	--	14	24	96	85
Influenza	16	--	3	8	1	--	1	--	6	12
Pneumonia	157	2	19	23	6	--	13	24	90	73
Diphtheria	2	--	--	1	--	--	--	1	--	--
Dysentery—all forms	1	--	--	--	--	--	1	--	--	1
Encephalitis—infectious	2	--	--	--	--	--	--	2	--	2
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	2	--	--	--	--	--	--	1	1	2
Pertussis (whooping cough)	1	--	1	1	--	--	--	--	--	1
Polio myelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	1	--	--	--	--	--	--	1	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	57	--	--	--	--	1	5	35	16	40
Tuberculosis—all forms	116	--	--	--	--	11	26	41	38	74
Pulmonary tuberculosis	111	--	--	--	--	11	24	39	37	71
Other communicable diseases	9	--	1	4	1	--	--	2	2	4
Accidents—all forms, total	276	--	5	17	21	27	44	43	124	135
Motor vehicle	82	--	--	5	12	20	20	17	8	43
Home	108	--	5	8	2	2	3	12	81	52
Occupational	17	xxx	xxx	xxx	--	2	7	5	3	7
Public	69	--	--	4	7	3	14	9	32	33
Arteriosclerosis	92	xxx	xxx	xxx	--	--	--	5	87	36
Cancer	654	--	1	1	--	6	39	220	388	271
Diabetes	158	--	--	1	--	1	6	47	103	64
Diseases of digestive system, total	223	1	11	18	6	4	15	80	100	84
Appendicitis	20	--	--	1	2	1	2	5	9	11
Cirrhosis of the liver	53	--	--	--	--	--	4	25	24	16
Diarrhea and enteritis	14	1	7	11	--	--	--	3	--	7
Hernia and intestinal obstruction	44	--	2	3	--	1	3	13	24	18
Ulcers of stomach or duodenum	40	--	--	--	1	--	4	20	15	15
Goiter—exophthalmic	9	--	--	--	--	1	2	2	4	5
Heart disease, total	1,903	--	--	1	2	1	60	464	1,375	897
Coronary	652	--	--	--	--	--	22	242	388	274
Chronic rheumatic	85	--	--	--	1	--	18	25	41	42
Homicide	4	--	--	--	--	--	3	1	--	--
Intracranial lesions of vascular origin	422	--	--	1	1	--	5	94	320	179
Nephritis	244	--	--	--	--	4	10	54	176	110
Prostatic disease	17	--	--	--	--	--	--	1	16	7
Suicide	57	xxx	xxx	xxx	--	3	12	24	18	24
ALL OTHER KNOWN CAUSES	252	4	11	22	11	7	44	53	115	125
CAUSE AS YET UNASSIGNED	29	--	3	4	1	1	4	8	11	17

* Age not reported for 2 deaths.

Northern Area (Region 2)—1940 population: Total 782,703; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, De Kalb, Grundy, Henry, Jo Daviess, Kankakee, Kendall, La Salle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.

TABLE V. DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA, FIRST SIX MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	1,200	70	85	93	13	13	101	294	686	477
SELECTED CAUSES OF DEATH	1,122	67	79	83	11	13	92	270	653	442
Diseases of infancy, total	69	66	67	67	--	1	--	--	1	26
Premature birth	28	28	28	28	XXX	XXX	XXX	XXX	XXX	14
Maternal causes, total	3	XXX	XXX	XXX	--	--	3	--	XXX	1
Puerperal septicemia	2	XXX	XXX	XXX	--	--	2	--	XXX	1
Puerperal toxemia	--	XXX	XXX	XXX	--	--	--	--	XXX	--
Communicable diseases, total	93	--	5	7	1	1	13	29	42	48
Acute respiratory diseases, total	54	--	4	6	--	1	4	11	32	29
Influenza	1	--	--	--	--	--	--	1	--	--
Pneumonia	53	--	4	6	--	1	4	10	32	29
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	--	--	--	--	--	--	--	--	--	--
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	1	--	--	--	1	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	10	--	--	--	--	--	1	7	2	7
Tuberculosis—all forms	27	--	--	--	--	--	8	11	8	12
Pulmonary tuberculosis	27	--	--	--	--	--	8	11	8	12
Other communicable diseases	1	--	1	1	--	--	--	--	--	--
Accidents—all forms, total	95	1	4	6	7	7	20	11	44	50
Motor vehicle	35	--	1	2	5	4	12	4	8	20
Home	44	1	3	4	2	2	3	6	27	26
Occupational	2	XXX	XXX	XXX	--	--	2	--	--	--
Public	14	--	--	--	--	1	3	1	9	4
Arteriosclerosis	40	XXX	XXX	XXX	--	--	--	1	39	34
Cancer	164	--	--	--	2	1	15	45	101	50
Diabetes	25	--	1	1	--	--	--	6	18	10
Diseases of digestive system, total	57	--	2	2	1	1	7	20	26	15
Appendicitis	5	--	--	--	--	--	2	1	2	2
Cirrhosis of the liver	16	--	--	--	1	--	1	11	3	4
Diarrhea and enteritis	2	--	1	1	--	--	--	--	1	1
Hernia and intestinal obstruction	10	--	1	1	--	1	--	1	7	1
Ulcers of stomach or duodenum	10	--	--	--	--	--	1	5	4	5
Goiter—exophthalmic	2	--	--	--	--	--	1	--	1	1
Heart disease, total	394	--	--	--	--	--	15	114	265	134
Coronary	145	--	--	--	--	--	4	55	86	53
Chronic rheumatic	37	--	--	--	--	--	5	13	19	5
Homicide	4	--	--	--	--	1	1	2	--	--
Intracranial lesions of vascular origin	81	--	--	--	--	--	3	17	61	35
Nephritis	68	--	--	--	--	1	7	15	45	25
Prostatic disease	4	--	--	--	--	--	--	--	4	2
Suicide	23	XXX	XXX	XXX	--	--	7	10	6	11
ALL OTHER KNOWN CAUSES	77	3	6	10	2	--	9	24	32	34
CAUSE AS YET UNASSIGNED	1	--	--	--	--	--	--	--	1	1

Peoria Metropolitan Area (Region 11)--1949 population: Total 211,736; Urban 139,211; Rural 72,525.
Counties: Peoria and Tazewell.

TABLE VI. DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, FIRST SIX MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	7,398	270	391	460	47	106	336	1,588	4,860	3,682
SELECTED CAUSES OF DEATH	6,980	266	372	425	39	90	296	1,478	4,651	3,471
Diseases of infancy, total	307	251	289	295	3	4	1	3	--	143
Premature birth	136	133	136	136	xxx	xxx	xxx	xxx	xxx	56
Maternal causes, total	6	xxx	xxx	xxx	--	1	5	--	xxx	5
Puerperal sept.cemia	2	xxx	xxx	xxx	--	--	2	--	xxx	2
Puerperal toxemia	2	xxx	xxx	xxx	--	--	2	--	xxx	1
Communicable diseases, total	394	9	50	62	7	5	29	97	194	193
Acute respiratory diseases, total	217	9	44	56	4	1	7	29	120	113
Influenza	9	--	1	2	--	--	--	2	5	7
Pneumonia	208	9	43	54	4	1	7	27	115	106
Diphtheria	1	--	1	1	--	--	--	--	--	1
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	1	--	--	--	--	--	--	--	1	1
Measles	2	--	1	1	--	1	--	--	--	1
Meningitis—meningococcus	3	--	1	1	--	--	1	1	--	3
Pertussis (whooping cough)	1	--	1	1	--	--	--	--	--	1
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	2	--	--	--	1	--	--	--	1	2
Scarlet fever	2	--	--	--	2	--	--	--	--	1
Syphilis	52	--	--	--	--	--	--	27	25	18
Tuberculosis—all forms	104	--	1	1	--	3	18	39	43	48
Pulmonary tuberculosis	100	--	--	--	--	3	18	37	42	46
Other communicable diseases	9	--	1	1	--	--	3	1	4	4
Accidents—all forms, total	458	4	13	34	16	49	57	62	240	227
Motor vehicle	133	--	1	9	6	32	32	22	32	65
Home	205	2	8	15	5	2	7	12	164	93
Occupational	38	xxx	xxx	xxx	1	6	7	15	9	25
Public	82	2	4	10	4	9	11	13	35	44
Arteriosclerosis	122	xxx	xxx	xxx	--	--	1	7	114	64
Cancer	1,043	--	--	2	2	6	66	333	634	485
Diabetes	210	--	1	2	--	2	3	58	145	107
Diseases of digestive system, total	258	2	18	25	5	6	26	77	119	127
Appendicitis	20	1	1	2	4	2	2	4	6	12
Cirrhosis of the liver	65	--	--	1	--	1	8	27	28	23
Diarrhea and enteritis	16	1	11	12	--	--	--	3	1	9
Hernia and intestinal obstruction	61	--	2	3	1	--	4	13	40	31
Ulcers of stomach or duodenum	36	--	--	--	--	--	4	14	18	17
Goiter—exophthalmic	20	--	--	--	--	--	1	9	10	10
Heart disease, total	2,783	--	--	--	3	9	54	578	2,139	1,400
Coronary	955	--	--	--	--	3	23	316	613	460
Chronic rheumatic	129	--	--	--	3	1	10	36	79	68
Homicide	10	--	--	--	--	1	4	5	--	3
Intracranial lesions of vascular origin	767	--	1	1	1	2	14	139	610	374
Nephritis	467	--	--	4	2	3	16	71	371	258
Prostatic disease	46	--	--	--	--	--	--	1	45	26
Suicide	89	xxx	xxx	xxx	--	2	19	38	30	49
ALL OTHER KNOWN CAUSES	389	4	19	35	7	14	36	103	194	191
CAUSE AS YET UNASSIGNED	29	--	--	--	1	2	4	7	15	20

* Age not reported for 1 death.

Central Area (Region 4)—1940 population: Total 1,331,175; Urban 551,587; Rural 779,588. Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Cole, Cumberland, De Witt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Macon, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.

TABLE VII. DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA,
FIRST SIX MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	1,700	83	99	110	7	26	101	468	988	628
SELECTED CAUSES OF DEATH	1,599	82	94	104	4	21	89	439	942	594
Diseases of infancy, total	86	80	84	85	--	--	--	1	--	35
Premature birth	47	47	47	47	XXX	XXX	XXX	XXX	XXX	22
Maternal causes, total	1	XXX	XXX	XXX	--	--	1	--	XXX	--
Puerperal septicemia	1	XXX	XXX	XXX	--	--	1	--	XXX	--
Puerperal toxemia	--	XXX	XXX	XXX	--	--	--	--	XXX	--
Communicable diseases, total	95	2	7	9	--	2	11	29	44	39
Acute respiratory diseases, total	49	2	7	9	--	1	4	10	25	16
Influenza	6	--	--	--	--	--	1	1	4	1
Pneumonia	43	2	7	9	--	1	3	9	21	15
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	1	--	--	--	--	--	--	1	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	--	--	--	--	--	--	--	--	--	--
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	1	--	--	--	--	1	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	15	--	--	--	--	--	2	6	7	8
Tuberculosis—all forms	29	--	--	--	--	--	5	12	12	15
Pulmonary tuberculosis	29	--	--	--	--	--	5	12	12	15
Other communicable diseases	--	--	--	--	--	--	--	--	--	--
Accidents—all forms, total	101	--	2	5	--	8	16	27	45	45
Motor vehicle	32	--	--	1	--	5	11	11	4	9
Home	46	--	2	4	--	1	3	4	34	22
Occupational	11	XXX	XXX	XXX	--	2	2	5	2	8
Public	12	--	--	--	--	--	--	7	5	6
Arteriosclerosis	31	XXX	XXX	XXX	--	--	--	6	25	17
Cancer	233	--	--	2	1	1	13	92	124	83
Diabetes	50	--	--	--	--	--	1	13	36	15
Diseases of digestive system, total	62	--	1	1	2	--	9	16	34	18
Appendicitis	2	--	--	--	--	--	--	2	--	1
Cirrhosis of the liver	21	--	--	--	--	--	5	5	11	6
Diarrhea and enteritis	3	--	1	1	1	--	--	--	1	2
Hernia and intestinal obstruction	9	--	--	--	--	--	2	2	5	1
Ulcers of stomach or duodenum	8	--	--	--	--	--	1	3	4	3
Goiter—exophthalmic	2	--	--	--	--	--	--	1	1	1
Heart disease, total	634	--	--	--	1	4	20	177	432	246
Coronary	135	--	--	--	--	9	65	61	36	36
Chronic rheumatic	26	--	--	--	--	3	5	8	10	4
Homicide	15	--	--	2	--	5	4	4	--	2
Intracranial lesions of vascular origin	162	--	--	--	--	1	4	39	118	48
Nephritis	100	--	--	--	--	--	5	23	72	37
Prostatic disease	8	--	--	--	--	--	--	1	7	2
Suicide	19	XXX	XXX	XXX	--	--	5	10	4	6
ALL OTHER KNOWN CAUSES	83	1	5	6	2	2	12	23	38	28
CAUSE AS YET UNASSIGNED	18	--	--	--	1	3	--	6	8	6

East St. Louis Metropolitan Area (Region 5)—1940 population: Total 316,248; Urban 213,175; Rural 103,073.
Counties: Madison and St. Clair.

TABLE VIII. DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, FIRST SIX MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	3,585	141	194	232	30	61	215	813	2,230	2,273
SELECTED CAUSES OF DEATH	3,368	137	186	215	28	51	195	768	2,107	2,131
Diseases of infancy, total	125	119	125	125	--	--	--	--	--	72
Premature birth	65	65	65	65	XXX	XXX	XXX	XXX	XXX	36
Maternal causes, total	10	XXX	XXX	XXX	--	2	8	--	XXX	6
Puerperal septicemia	2	XXX	XXX	XXX	--	--	2	--	XXX	--
Puerperal toxemia	3	XXX	XXX	XXX	--	--	3	--	XXX	2
Communicable diseases, total	246	7	36	46	3	6	23	70	98	169
Acute respiratory diseases, total	115	6	30	35	2	--	5	18	55	79
Influenza	13	--	1	1	--	--	1	2	9	10
Pneumonia	102	6	29	34	2	--	4	16	46	69
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	1	--	--	--	--	--	--	1	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	3	--	1	2	--	--	--	1	--	2
Meningitis—meningococcus	5	--	1	3	--	1	--	--	1	5
Pertussis (whooping cough)	3	--	2	3	--	--	--	--	--	2
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	2	--	--	--	--	1	--	--	1	2
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	29	--	--	--	--	--	3	14	12	19
Tuberculosis—all forms	84	1	1	2	1	3	15	36	27	57
Pulmonary tuberculosis	76	1	1	1	--	2	15	36	22	53
Other communicable diseases	4	--	1	1	--	1	--	--	2	3
Accidents—all forms, total	266	9	17	29	13	31	44	56	90	151
Motor vehicle	66	--	1	7	2	16	15	17	9	39
Home	56	--	4	8	1	--	3	7	37	34
Occupational	21	XXX	XXX	XXX	--	1	11	8	1	11
Public	123	9	12	14	10	14	15	24	43	67
Arteriosclerosis	120	XXX	XXX	XXX	--	--	--	10	110	102
Cancer	429	--	--	1	3	1	28	128	268	271
Diabetes	101	--	--	--	1	1	4	36	59	62
Diseases of digestive system, total	113	1	7	13	4	1	9	32	54	76
Appendicitis	9	--	--	1	--	--	2	2	4	7
Cirrhosis of the liver	20	--	--	--	--	--	1	9	10	13
Diarrhea and enteritis	11	1	6	8	1	--	1	--	1	7
Hernia and intestinal obstruction	27	--	1	1	1	--	2	6	17	20
Ulcers of stomach or duodenum	18	--	--	--	1	--	1	7	9	11
Goiter—exophthalmic	5	--	--	--	--	--	1	3	1	3
Heart disease, total	1,278	1	1	1	1	5	47	295	928	795
Coronary	381	--	--	--	--	1	14	144	221	225
Chronic rheumatic	66	--	--	--	--	3	10	16	37	39
Homicide	12	--	--	--	--	--	6	5	1	3
Intracranial lesions of vascular origin	354	--	--	--	1	1	5	82	265	221
Nephritis	263	--	--	--	2	--	8	41	212	168
Prostatic disease	16	--	--	--	--	--	--	1	15	10
Suicide	30	XXX	XXX	XXX	--	3	12	9	6	22
ALL OTHER KNOWN CAUSES	200	4	7	15	2	8	19	42	114	130
CAUSE AS YET UNASSIGNED	17	--	1	2	--	2	1	3	9	12

* Age not reported for 4 deaths.

Southern Area (Region 6)--1940 population: Total 723,047; Urban 228,885; Rural 494,162.

Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.

VITAL STATISTICS IN THE FIRST THREE MONTHS 1949

HIGH BIRTH RATE CONTINUES

Birth rates were high during the first three months of 1949 as compared to rates existing prior to the recent birth boom. The average annual birth rate for the first quarter of this year, 21.1 live births per thousand population, was slightly above the rate of 20.9 for the corresponding period of 1948. This level of births is above those seen prior to the recent boom in births. From 1940 to 1945, birth rates in Illinois were below 20 per thousand population, except for the year 1943 when a rate of 20.1 was recorded.

TABLE A - BIRTH AND DEATH RATES FOR THE FIRST THREE MONTHS

	1949	1948
LIVE BIRTHS per 1,000 population	21.1	20.9
DEATHS per 1,000 population	11.2	11.4

Note: Rates are expressed as their annual equivalents, based on estimates of Illinois' population as follows: February 15, 1949—8,431,125; February 15, 1948—8,300,502.

MORTALITY IS LOW

There were fewer deaths recorded in the first three months of 1949 than in the corresponding periods of 1948 or 1947, despite the increase in population in Illinois. This improved mortality experience is made more striking when we realize that mortality in 1948 was the lowest on record. For the first quarter of 1949 there were only 11.2 deaths per thousand population as compared to a rate of 11.4 for the first quarter of 1948. The low death rate together with the high birth rate gave Illinois 20,857 more inhabitants during the first quarter of 1949. The rate of natural increase for the first three months of 1949 was 9.9 per thousand estimated population as compared to a rate of 9.7 for the same period of last year. The current rate of natural increase, while less than the record breaking 11.9 established for the year 1947, is well above the average of 7.4 per thousand population for the years 1942-1945 inclusive.

INFANT MORTALITY UNCHANGED

Mortality among infants for the first quarter of this year, 29.0 per thousand live births, was essentially the same as the rate of 28.9 for the corresponding period of last year. There were more infant deaths from pneumonia this year, but this increase was offset by reductions in mortality from premature birth and other

causes of death among children under one year of age.

TABLE B - FETAL, INFANT, AND MATERNAL MORTALITY RATES, FIRST THREE MONTHS

	Per 1,000 live births	
	1949	1948
FETAL MORTALITY (Stillbirths)	17.2	17.6
NEONATAL MORTALITY (under 1 month)	19.6	19.2
INFANT MORTALITY (under 1 year)	29.0	28.9
Premature birth	9.2	9.5
MATERNAL MORTALITY	0.8	1.1

Pneumonia and influenza took a greater toll of life in the current period than in the first quarter of 1948; the death rate for the first quarter of 1949 being 47.2 per 100,000 population as compared to a rate of 41.7 for the same period of 1948. Most of the higher mortality occurred among the aged and among infants, the stages of life where the risk of death from pneumonia is always high. Tuberculosis mortality was only 30.0 per 100,000 population, a reduction of nine per cent from the rate for the corresponding period of 1948. Persons in all stages of life shared in this improved mortality experience.

The low incidence of measles during the first quarter of 1949 is reflected in the fact that only one death was recorded during this period. The severe measles outbreak last year brought 58 deaths during the first three months of 1948. Only five deaths from whooping cough were recorded in the current period as compared to seven deaths for the same period last year, and there were only seventeen deaths from meningitis as compared to twenty-one meningitis deaths for the first three months of last year.

TABLE C - MORTALITY FROM THE TEN LEADING CAUSES, FIRST THREE MONTHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1949	1948	1949	1948
Heart disease	9,269	9,225	440.8	444.6
Cancer	3,369	3,300	160.2	159.0
Cerebral hemorrhage	1,892	1,903	90.0	91.7
Nephritis	1,257	1,349	59.8	65.0
All accidents	1,162	1,390	55.3	67.0
Influenza and pneumonia	993	865	47.2	41.7
Diabetes	749	722	35.6	34.8
Tuberculosis	631	682	30.0	32.9
Premature birth	408	412	19.4	19.9
Arteriosclerosis	366	338	17.4	16.3

Intra-cranial lesions of vascular origin.
Note: Rates are expressed as their annual equivalents.

A conspicuous feature of our mortality reports, in recent times, has been the absence of deaths from some of the acute communicable diseases that in former years took a heavy toll of life. This cheerful picture is somewhat spoiled, in the first quarter, by a death from scarlet fever in January and a death from rabies in March. Since proper public health precautions can prevent rabies, this death forcibly draws attention to the incompleteness of rabies control. It also points up the need for unremitting effort in disease control even when control efforts are apparently meeting with greatest success.

IMPROVED ACCIDENT EXPERIENCE

There was a decided improvement in the mortality experience from all accidental causes of death during the first quarter of this year as compared to the same period of 1948. There were over 200 fewer accidental deaths during the current period. Every class of accidental cause of death was lower during the period from January through March of 1949, than during the same period of last year. Only 16.9 motor vehicle deaths per 100,000 population were re-

corded in the first quarter of 1949 as compared with a rate of 20.1 deaths per 100,000 population in the first quarter of 1948. The great bulk of this improvement in the accident mortality experience occurred among those over sixty-five years of age. Among the aged there were fewer deaths from accidents in the home and in public places. Since the number of persons over sixty-five years of age is increasing each year, the improvement noted for the current period, as compared to the first quarter of 1948, is even greater than the figures themselves indicate.

TABLE D - ACCIDENTAL DEATHS FOR THE FIRST THREE MONTHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1949	1948	1949	1948
ALL ACCIDENTS	1,162	1,390	55.3	67.0
Motor vehicle	354	416	16.9	20.1
Home accidents	465	537	22.1	25.9
Occupational	93	125	4.4	6.0
Public accidents	250	312	11.9	15.0

Note: Rates are expressed as their annual equivalents.

TABLE I. LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE,
FIRST THREE MONTHS, 1949

(All registrations within the State)

County of Occurrence	Estimated Civilian Population*	Live Births	Stillbirths	Deaths	County of Occurrence	Estimated Civilian Population*	Live Births	Stillbirths	Deaths
Entire State	8,411,125	44,333	761	23,481	La Salle	102,681	541	7	312
Chicago	3,615,284	18,468	364	10,033	Lawrence	21,515	21	--	35
Downstate	4,795,841	25,865	397	13,448	Lee	35,919	183	1	130
					Livingston	39,825	177	3	107
Adams	68,187	394	4	222	Logan	30,350	160	2	105
Alexander	26,644	175	6	74	McDonough	27,747	163	3	93
Bond	14,785	1	--	25	McHenry	38,992	180	4	99
Boone	15,711	124	--	53	McLean	77,283	499	11	211
Brown	8,042	6	--	25	Macon	90,298	699	9	245
Bureau	38,680	223	4	113	Macoupin	47,888	41	--	86
Calhoun	8,139	4	--	11	Madison	163,119	1,008	14	441
Carroll	18,473	90	3	38	Marion	49,885	295	2	125
Cass	16,964	83	--	51	Marshall	13,484	3	1	21
Champaign	75,387	692	9	203	Mason	15,763	6	--	15
Christian	40,050	231	5	105	Massac	15,242	42	1	61
Clark	18,940	16	1	44	Menard	10,865	12	--	21
Clay	19,334	29	--	21	Mercer	18,076	6	--	13
Clinton	23,732	108	2	52	Monroe	12,921	1	--	21
Coles	40,328	286	5	105	Montgomery	35,475	259	3	116
Cook	4,386,279	22,711	418	12,352	Morgan	37,693	198	1	230
Crawford	21,778	109	2	64	Moultrie	13,720	10	--	26
Cumberland	11,651	12	1	24	Ogle	30,782	99	--	66
De Kalb	35,912	241	5	102	Peoria	164,192	1,253	22	566
De Witt	18,727	64	--	53	Perry	24,297	117	--	53
Douglas	18,029	77	1	38	Piatt	14,983	46	1	27
Du Page	111,246	500	8	303	Pike	25,559	83	--	72
Edgar	25,022	82	--	76	Pope	7,859	14	1	20
Edwards	9,116	13	--	19	Pulaski	16,189	37	1	45
Effingham	22,698	212	2	71	Putnam	5,368	--	--	4
Fayette	29,512	134	6	61	Randolph	34,815	158	2	60
Ford	15,448	61	2	24	Richland	17,568	149	3	54
Franklin	55,633	168	3	109	Rock Island	121,734	867	9	411
Fulton	46,094	209	3	116	St. Clair	183,165	1,019	24	465
Gallatin	11,608	24	1	22	Saline	39,461	230	6	110
Greene	20,786	127	--	43	Sangamon	124,967	867	12	405
Grundy	19,126	78	--	47	Schuyler	11,442	19	--	14
Hamilton	13,349	51	--	31	Scott	8,292	4	--	6
Hancock	26,825	40	--	53	Shelby	26,501	71	--	68
Hardin	7,870	32	--	15	Stark	9,032	1	--	6
Henderson	9,087	3	--	7	Stephenson	42,312	281	3	126
Henry	45,499	269	7	131	Tazewell	62,269	265	5	111
Iroquois	33,092	131	1	76	Union	21,934	95	4	117
Jackson	39,441	220	9	105	Vermilion	91,198	498	14	253
Jasper	13,342	10	--	16	Wabash	14,183	30	2	26
Jefferson	35,526	259	2	96	Warren	21,941	139	2	62
Jersey	14,030	15	--	24	Washington	15,883	8	--	25
Jo Daviess	20,408	5	--	36	Wayne	22,161	47	--	46
Johnson	10,646	19	--	34	White	20,473	33	--	34
Kane	138,782	1,236	27	559	Whiteside	45,576	285	3	110
Kankakee	64,385	377	4	395	Will	121,285	713	13	309
Kendall	11,319	--	--	12	Williamson	53,702	211	2	167
Knox	54,798	322	8	170	Winnebago	130,318	892	8	339
Lake	132,869	1,022	13	366	Woodford	19,614	3	--	12

* Estimated population as of February 15, 1949.

TABLE II. ALL DEATHS IN ILLINOIS ACCORDING TO CAUSE, FIRST THREE MONTHS, 1949

(All registrations within the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes *	23,481	867	1285	1497	147	311	1788	7003	12,731	968
SELECTED CAUSES OF DEATH	22,377	852	1220	1392	108	264	1616	6671	12,322	912
Diseases of infancy, total	956	797	904	926	8	8	8	4	2	15
Premature birth	408	401	408	408	xxx	xxx	xxx	xxx	xxx	4
Maternal causes, total	34	xxx	xxx	xxx	--	8	26	--	xxx	--
Puerperal septicemia	10	xxx	xxx	xxx	--	3	7	--	xxx	--
Puerperal toxemia	9	xxx	xxx	xxx	--	--	9	--	xxx	--
Communicable diseases, total	1,866	44	213	269	26	52	289	601	628	150
Acute respiratory diseases, total	993	42	195	236	16	8	71	226	435	34
Influenza	44	--	6	12	1	--	5	7	19	--
Pneumonia	949	42	189	224	15	8	66	219	416	34
Diphtheria	2	--	1	1	--	--	--	1	--	1
Dysentery—all forms	1	--	--	--	--	--	--	1	--	--
Encephalitis—infectious	3	--	--	--	--	--	--	2	1	--
Measles	1	--	1	1	--	--	--	--	--	--
Meningitis—meningococcus	17	--	4	8	1	--	3	3	2	--
Pertussis (whooping cough)	5	--	3	4	--	--	1	--	--	--
Polio myelitis	1	--	--	--	1	--	--	--	--	--
Rheumatic fever	8	--	--	--	2	2	--	2	2	--
Scarlet fever	1	--	--	--	--	1	--	--	--	--
Syphilis	182	1	1	1	--	1	19	104	57	9
Tuberculosis—all forms	631	1	5	13	5	39	190	255	129	103
Pulmonary tuberculosis	590	1	3	6	3	37	186	243	115	102
Other communicable diseases	21	--	3	5	--	2	5	7	2	3
Accidents—all forms, total	1,162	3	35	76	40	86	206	263	491	71
Motor vehicle	354	--	3	15	17	54	88	91	89	44
Home	465	3	29	49	8	11	41	69	287	8
Occupational	93	xxx	xxx	xxx	--	10	37	34	12	7
Public	250	--	3	12	15	11	40	69	103	12
Arteriosclerosis	366	xxx	xxx	xxx	--	--	2	32	332	8
Cancer	3,369	--	1	14	7	20	272	1,361	1,695	179
Diabetes	749	--	2	4	2	7	20	276	440	23
Diseases of digestive system, total	982	7	62	88	11	10	121	391	361	56
Appendicitis	57	--	--	3	3	2	12	27	10	--
Cirrhosis of the liver	305	--	1	3	--	--	62	157	83	27
Diarrhea and enteritis	68	5	46	54	2	--	3	3	6	1
Hernia and intestinal obstruction	176	--	4	8	3	4	15	47	99	7
Ulcers of stomach or duodenum	181	1	4	5	--	1	9	91	75	10
Goiter—exophthalmic	50	--	--	--	--	1	7	23	19	3
Heart disease, total	9,269	1	1	5	5	32	409	2,786	6,029	289
Coronary	2,380	--	--	--	--	2	111	1,011	1,255	60
Chronic rheumatic	430	--	--	1	3	19	90	153	164	25
Homicide	86	--	--	--	1	10	45	25	5	2
Intracranial lesions of vascular origin	1,892	--	2	4	4	5	69	509	1,301	52
Nephritis	1,257	--	--	6	3	19	78	292	859	55
Prostatic disease	117	--	--	--	--	--	--	13	104	3
Suicide	222	xxx	xxx	xxx	1	6	64	95	56	6
ALL OTHER KNOWN CAUSES	1,044	15	63	102	35	40	157	319	391	44
CAUSE AS YET UNASSIGNED	60	--	2	3	4	7	15	13	18	12

* Age not reported for 4 deaths.

ENTIRE STATE--1940 population: Total 7,897,241; Urban 5,809,650; Rural 2,087,591.

For a detailed discussion of the 6 principal geographic Regions of the State see Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1944."

TABLE III. DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, FIRST THREE MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes *	13,554	476	706	813	81	174	1,210	4,689	6,885	992
SELECTED CAUSES OF DEATH	13,045	472	678	768	60	149	1,109	4,509	6,448	950
Diseases of infancy, total	529	442	504	516	2	2	4	3	2	31
Premature birth	224	220	224	224	xxx	xxx	xxx	xxx	xxx	--
Maternal causes, total	18	xxx	xxx	xxx	--	5	13	--	xxx	--
Puerperal septicemia	5	xxx	xxx	xxx	--	2	3	--	xxx	--
Puerperal toxemia	5	xxx	xxx	xxx	--	--	5	--	xxx	--
Communicable diseases, total	1,171	26	118	149	16	37	217	421	331	59
Acute respiratory diseases, total	598	25	107	127	7	5	50	168	241	23
Influenza	8	--	1	2	--	--	2	2	2	--
Pneumonia	590	25	106	125	7	5	48	166	239	23
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	2	--	--	--	--	--	--	1	1	--
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	12	--	4	7	1	--	2	2	--	1
Pertussis (whooping cough)	3	--	1	2	--	--	1	--	--	--
Poliomyelitis	1	--	--	--	1	--	--	--	--	--
Rheumatic fever	5	--	--	--	2	1	--	2	--	1
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	89	1	1	1	--	--	10	55	23	11
Tuberculosis—all forms	451	--	4	11	5	30	151	188	66	23
Pulmonary tuberculosis	417	--	2	5	3	28	148	177	56	21
Other communicable diseases	10	--	1	1	--	1	3	5	--	--
Accidents—all forms, total	582	--	16	34	24	31	114	158	221	52
Motor vehicle	163	--	1	5	6	17	35	44	56	14
Home	227	--	13	25	7	7	32	48	108	24
Occupational	50	xxx	xxx	xxx	--	4	24	17	5	8
Public	142	--	2	4	11	3	23	49	52	6
Arteriosclerosis	160	xxx	xxx	xxx	--	--	2	25	133	39
Cancer	2,044	--	1	11	5	13	186	915	914	112
Diabetes	462	--	--	--	1	5	11	196	249	30
Diseases of digestive system, total	612	4	38	49	3	6	86	271	197	32
Appendicitis	30	--	--	1	1	1	5	18	4	2
Cirrhosis of the liver	220	--	1	3	--	--	48	118	51	8
Diarrhea and enteritis	34	2	27	29	--	--	3	--	2	2
Hernia and intestinal obstruction	92	--	3	4	1	2	9	29	47	6
Ulcers of stomach or duodenum	118	1	4	5	--	1	5	62	45	9
Goiter—exophthalmic	28	--	--	--	--	1	4	14	9	1
Heart disease, total	5,563	--	--	3	3	23	295	1,906	3,331	461
Coronary	1,187	--	--	--	--	1	71	571	544	88
Chronic rheumatic	255	--	--	1	2	14	61	108	69	17
Homicide	61	--	--	--	1	7	34	15	4	1
Intracranial lesions of vascular origin	952	--	1	3	2	3	49	325	570	69
Nephritis	670	--	--	3	2	13	56	192	404	47
Prostatic disease	71	--	--	--	--	--	--	12	59	5
Suicide	122	xxx	xxx	xxx	1	3	38	56	24	11
ALL OTHER KNOWN CAUSES	482	4	28	45	19	20	89	176	133	41
CAUSE AS YET UNASSIGNED	27	--	--	--	2	5	12	4	4	1

* Age not reported for 2 deaths.

Chicago Metropolitan Area (Region I)—1940 population: Total 4,532,332; Urban 4,266,601; Rural 275,731.
Counties: Cook, Du Page, Kane, Lake and Will.

TABLE IV. DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, FIRST THREE MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes *	2,541	104	153	184	25	33	144	592	1,562	1,146
SELECTED CAUSES OF DEATH	2,398	101	142	167	18	29	125	562	1,496	1,070
Diseases of infancy, total	125	99	114	118	3	2	1	1	--	49
Premature birth	43	43	43	43	XXX	XXX	XXX	XXX	XXX	11
Maternal causes, total	5	XXX	XXX	XXX	--	1	4	--	XXX	1
Puerperal septicemia	2	XXX	XXX	XXX	--	1	1	--	XXX	1
Puerperal toxemia	2	XXX	XXX	XXX	--	1	2	--	XXX	--
Communicable diseases, total	207	1	18	26	6	6	27	57	84	120
Acute respiratory diseases, total	100	1	17	23	6	--	10	10	50	53
Influenza	14	--	3	7	1	--	1	--	5	10
Pneumonia	86	1	14	16	5	--	9	10	45	43
Diphtheria	1	--	--	--	--	--	--	1	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	1	--	--	--	--	--	--	1	--	1
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	2	--	--	--	--	--	--	1	1	2
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	--	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	35	--	--	--	--	1	4	20	10	25
Tuberculosis—all forms	65	--	--	--	--	5	13	25	22	37
Pulmonary tuberculosis	61	--	--	--	--	5	12	22	22	36
Other communicable diseases	5	--	1	3	--	--	--	1	1	2
Accidents—all forms, total	123	--	2	8	5	12	15	21	62	44
Motor vehicle	32	--	--	3	3	9	6	9	2	13
Home	54	--	2	3	--	2	1	5	43	21
Occupational	8	XXX	XXX	XXX	--	1	3	3	1	1
Public	29	--	--	2	2	--	5	4	16	9
Arteriosclerosis	45	XXX	XXX	XXX	--	--	--	--	45	22
Cancer	312	--	--	--	--	1	21	107	183	129
Diabetes	71	--	--	1	--	--	4	17	49	35
Diseases of digestive system, total	117	1	8	13	2	2	6	44	50	42
Appendicitis	9	--	--	1	1	--	1	4	2	4
Cirrhosis of the liver	26	--	--	--	--	--	2	12	12	12
Diarrhea and enteritis	11	1	6	9	--	--	--	2	--	5
Hernia and intestinal obstruction	25	--	--	1	--	1	1	8	14	10
Ulcers of stomach or duodenum	21	--	--	--	--	--	2	11	8	4
Goiter—exophthalmic	5	--	--	--	--	--	1	2	2	3
Heart disease, total	996	--	--	1	1	--	30	230	734	460
Coronary	324	--	--	--	--	--	11	117	196	127
Chronic rheumatic	41	--	--	--	--	--	9	12	20	23
Homicide	2	--	--	--	--	--	2	--	--	--
Intracranial lesions of vascular origin	218	--	--	--	1	--	4	42	171	92
Nephritis	132	--	--	--	--	3	6	29	94	57
Prostatic disease	13	--	--	--	--	--	--	1	12	5
Suicide	27	XXX	XXX	XXX	--	2	4	11	10	11
ALL OTHER KNOWN CAUSES	135	3	10	16	6	4	18	28	63	69
CAUSE AS YET UNASSIGNED	8	--	1	1	1	--	1	2	3	7

* Age not reported for 1 death.

Northern Area (Region 2)--1940 population: Total 782,703; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, De Kalb, Grundy, Henry, Jo Daviess, Kankakee, Kendall, La Salle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.

TABLE V. DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA, FIRST THREE MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	636	40	50	54	2	7	53	153	367	257
SELECTED CAUSES OF DEATH	599	38	47	49	2	7	48	141	352	242
Diseases of infancy, total	39	37	38	38	--	1	--	--	--	17
Premature birth	13	13	13	13	XXX	XXX	XXX	XXX	XXX	9
Maternal causes, total	1	XXX	XXX	XXX	--	--	1	--	XXX	1
Puerperal septicemia	1	XXX	XXX	XXX	--	--	1	--	XXX	1
Puerperal toxemia	--	XXX	XXX	XXX	--	--	--	--	XXX	--
Communicable diseases, total	50	--	3	4	--	1	7	17	21	22
Acute respiratory diseases, total	31	--	3	4	--	1	1	7	18	15
Influenza	--	--	--	--	--	--	--	--	--	--
Pneumonia	31	--	3	4	--	1	1	7	18	15
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	--	--	--	--	--	--	--	--	--	--
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	--	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	4	--	--	--	--	--	1	2	1	2
Tuberculosis—all forms	15	--	--	--	--	--	5	8	2	5
Pulmonary tuberculosis	15	--	--	--	--	--	5	8	2	5
Other communicable diseases	--	--	--	--	--	--	--	--	--	--
Accidents—all forms, total	49	1	4	5	2	2	10	7	23	27
Motor vehicle	17	--	1	1	2	1	6	3	4	12
Home	23	1	3	4	--	--	2	3	14	12
Occupational	--	XXX	XXX	XXX	--	--	--	--	--	--
Public	9	--	--	--	--	1	2	1	5	3
Arteriosclerosis	24	XXX	XXX	XXX	--	--	--	--	24	19
Cancer	87	--	--	--	--	1	8	23	55	24
Diabetes	15	--	1	1	--	--	--	1	13	7
Diseases of digestive system, total	27	--	1	1	--	1	2	11	12	12
Appendicitis	3	--	--	--	--	--	2	1	--	2
Cirrhosis of the liver	9	--	--	--	--	--	--	7	2	4
Diarrhea and enteritis	2	--	1	1	--	--	--	1	--	1
Hernia and intestinal obstruction	5	--	--	--	--	1	--	4	--	1
Ulcers of stomach or duodenum	4	--	--	--	--	--	--	2	2	2
Goiter—exophthalmic	2	--	--	--	--	--	1	--	1	1
Heart disease, total	209	--	--	--	--	--	8	62	139	77
Coronary	69	--	--	--	--	--	2	34	33	32
Chronic rheumatic	20	--	--	--	--	--	2	8	10	3
Homicide	--	--	--	--	--	--	--	--	--	--
Intracranial lesions of vascular origin	43	--	--	--	--	--	3	5	35	15
Nephritis	41	--	--	--	--	1	4	11	25	15
Prostatic disease	2	--	--	--	--	--	--	--	2	1
Suicide	10	XXX	XXX	XXX	--	--	4	4	2	4
ALL OTHER KNOWN CAUSES	36	2	3	5	--	--	5	12	14	14
CAUSE AS YET UNASSIGNED	1	--	--	--	--	--	--	--	1	1

Peoria Metropolitan Area (Region 3)--1940 population: Total 211,736; Urban 139,211; Rural 72,525.

Counties: Peoria and Tazewell.

TABLE VI. DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, FIRST THREE MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	3,740	133	211	253	21	43	172	804	2,447	1,883
SELECTED CAUSES OF DEATH	3,520	131	200	233	14	34	158	744	2,337	1,771
Diseases of infancy, total	155	121	144	149	3	3	--	--	--	75
Premature birth	70	67	70	70	--	--	--	--	--	31
Maternal causes, total	4	XXX	XXX	XXX	--	--	4	--	--	3
Puerperal septicemia	1	XXX	XXX	XXX	--	--	1	--	--	1
Puerperal toxemia	2	XXX	XXX	XXX	--	--	2	--	--	1
Communicable diseases, total	210	7	35	43	2	2	14	45	104	104
Acute respiratory diseases, total	134	7	31	39	1	1	2	18	73	75
Influenza	8	--	1	2	--	--	--	2	4	7
Pneumonia	126	7	30	37	1	1	2	16	69	68
Diphtheria	1	--	1	1	--	--	--	--	--	1
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	1	--	1	1	--	--	--	--	--	--
Meningitis—meningococcus	1	--	--	--	--	--	1	--	--	1
Pertussis (whooping cough)	1	--	1	1	--	--	--	--	--	1
Polio myelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	1	--	--	--	--	--	--	--	1	1
Scarlet fever	1	--	--	--	1	--	--	--	--	1
Syphilis	25	--	--	--	--	--	--	15	10	9
Tuberculosis—all forms	41	--	--	--	--	1	9	11	20	14
Pulmonary tuberculosis	41	--	--	--	--	1	9	11	20	14
Other communicable diseases	4	--	1	1	--	--	2	1	--	1
Accidents—all forms, total	229	2	9	19	6	19	32	27	126	106
Motor vehicle	73	--	1	3	6	12	19	11	22	35
Home	106	2	7	10	--	2	4	5	85	42
Occupational	16	--	--	--	--	2	4	6	4	9
Public	34	--	1	6	--	3	5	5	15	20
Arteriosclerosis	55	XXX	XXX	XXX	XXX	--	--	2	53	30
Cancer	524	--	--	1	--	3	31	174	315	244
Diabetes	110	--	1	2	--	1	2	35	70	61
Diseases of digestive system, total	129	1	10	15	1	1	15	35	62	67
Appendicitis	10	--	--	1	1	1	1	2	4	5
Cirrhosis of the liver	26	--	--	--	--	--	7	9	10	12
Diarrhea and enteritis	9	1	7	8	--	--	--	--	1	6
Hernia and intestinal obstruction	33	--	1	2	--	--	3	5	23	16
Ulcers of stomach or duodenum	21	--	--	--	--	--	1	10	10	9
Goiter—exophthalmic	10	--	--	--	--	--	--	5	5	6
Heart disease, total	1,411	--	--	--	1	2	35	292	1,081	716
Coronary	488	--	--	--	--	--	16	152	320	239
Chronic rheumatic	58	--	--	--	1	--	7	13	37	30
Homicide	7	--	--	--	--	1	3	3	--	2
Intracranial lesions of vascular origin	390	--	1	1	1	1	5	77	305	192
Nephritis	226	---	---	3	---	1	7	31	184	130
Prostatic disease	19	XXX	XXX	XXX	XXX	--	--	--	19	9
Suicide	41	--	--	--	--	--	10	18	13	26
ALL OTHER KNOWN CAUSES	208	2	11	20	7	7	14	57	103	104
CAUSE AS YET UNASSIGNED	12	--	--	--	--	2	--	3	7	8

Central Area (Region 4)—1940 population: Total 1,311,175; Urban 551,547; Rural 759,588. Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Coles, Cumberland, De Witt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Menard, Morgan, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren and Woodford.

TABLE VII. DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA,
FIRST THREE MONTHS, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	849	34	46	53	5	12	48	234	497	221
SELECTED CAUSES OF DEATH	804	33	41	47	3	12	40	221	481	304
Diseases of infancy, total	33	31	33	33	--	--	--	--	--	14
Premature birth	17	17	17	17	XXX	XXX	XXX	XXX	XXX	7
Maternal causes, total	--	XXX	XXX	XXX	--	--	--	--	XXX	--
Puerperal septicemia	--	XXX	XXX	XXX	--	--	--	--	XXX	--
Puerperal toxemia	--	XXX	XXX	XXX	--	--	--	--	XXX	--
Communicable diseases, total	60	2	7	9	--	1	8	15	27	22
Acute respiratory diseases, total	40	2	7	9	--	1	3	9	18	12
Influenza	4	--	--	--	--	--	1	1	2	--
Pneumonia	36	2	7	9	--	1	2	8	16	12
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	1	--	--	--	--	--	--	1	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	--	--	--	--	--	--	--	--	--	--
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Poliomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	--	--	--	--	--	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	8	--	--	--	--	--	1	3	4	2
Tuberculosis—all forms	11	--	--	--	--	--	4	2	5	8
Pulmonary tuberculosis	11	--	--	--	--	--	4	2	5	8
Other communicable diseases	--	--	--	--	--	--	--	--	--	--
Accidents—all forms, total	54	--	1	3	--	5	7	16	23	24
Motor vehicle	19	--	--	1	--	3	6	7	2	3
Home	23	--	1	2	--	--	1	4	16	11
Occupational	6	XXX	XXX	XXX	--	2	--	2	2	5
Public	6	--	--	--	--	--	--	3	3	5
Arteriosclerosis	17	XXX	XXX	XXX	--	--	--	1	16	10
Cancer	119	--	--	2	1	--	4	44	68	46
Diabetes	27	--	--	--	--	--	1	6	20	7
Diseases of digestive system, total	27	--	--	--	2	--	4	6	15	10
Appendicitis	1	--	--	--	--	--	--	1	--	1
Cirrhosis of the liver	10	--	--	--	--	--	3	3	4	3
Diarrhea and enteritis	2	--	--	--	1	--	--	--	1	2
Hernia and intestinal obstruction	4	--	--	--	--	--	1	--	3	--
Ulcers of stomach or duodenum	5	--	--	--	--	--	--	2	3	3
Goiter—exophthalmic	1	--	--	--	--	--	--	--	1	--
Heart disease, total	323	--	--	--	--	3	8	98	214	129
Coronary	78	--	--	--	--	--	6	41	31	23
Chronic rheumatic	11	--	--	--	--	3	1	2	5	1
Homicide	6	--	--	--	--	2	1	3	--	--
Intracranial lesions of vascular origin	80	--	--	--	--	1	3	16	60	24
Nephritis	48	--	--	--	--	--	2	14	32	17
Prostatic disease	4	--	--	--	--	--	--	--	4	1
Suicide	5	XXX	XXX	XXX	--	--	2	2	1	--
ALL OTHER KNOWN CAUSES	42	1	5	6	1	--	8	12	15	16
CAUSE AS YET UNASSIGNED	3	--	--	--	1	--	--	1	1	1

East St. Louis Metropolitan Area (Region 5)—1940 population: Total 316,248; Urban 213,175; Rural 103,073.
Counties: Madison and St. Clair.

TABLE VIII. DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, FIRST THREE MONTHS, 1949

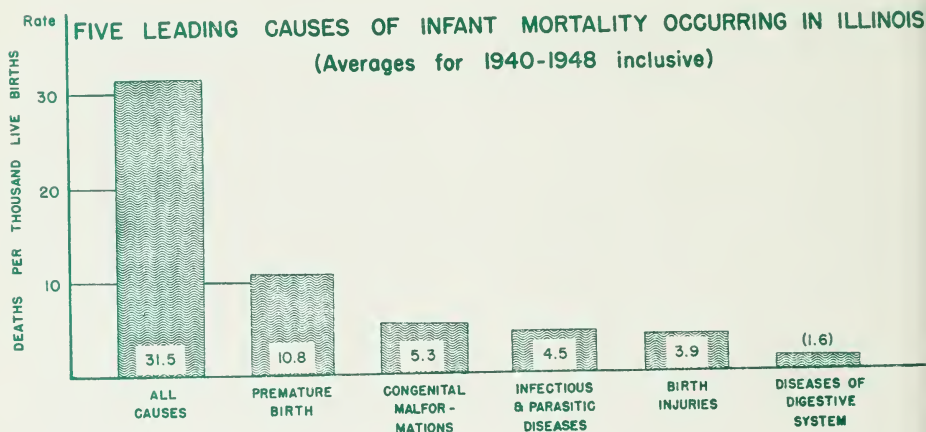
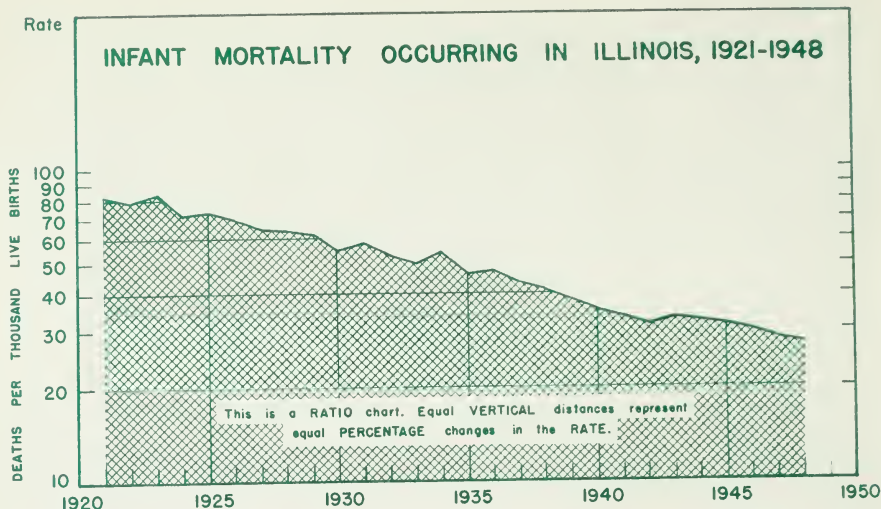
(Does not include deaths of Illinois residents dying outside the State)

CAUSE	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	1,805	70	103	119	11	27	104	400	1,143	1,153
SELECTED CAUSES OF DEATH	1,686	67	97	108	10	20	90	376	1,081	1,076
Diseases of infancy, total	62	59	62	62	--	--	--	--	--	30
Premature birth	36	36	36	36	XXX	XXX	XXX	XXX	XXX	20
Maternal causes, total	5	XXX	XXX	XXX	--	2	3	--	XXX	4
Puerperal septicemia	--	XXX	XXX	XXX	--	--	--	--	XXX	--
Puerperal toxemia	--	XXX	XXX	XXX	--	--	--	--	XXX	--
Communicable diseases, total	147	7	27	31	2	4	13	41	56	99
Acute respiratory diseases, total	79	6	25	28	2	--	4	13	32	51
Influenza	10	--	1	1	--	--	1	2	6	7
Pneumonia	69	6	24	27	2	--	3	11	26	44
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	2	--	--	1	--	--	--	--	1	2
Pertussis (whooping cough)	1	--	1	1	--	--	--	--	--	1
Polioomyelitis	--	--	--	--	--	--	--	--	--	--
Rheumatic fever	2	--	--	--	--	1	--	--	1	2
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	18	--	--	--	--	--	3	8	7	12
Tuberculosis—all forms	43	1	1	1	--	2	6	20	14	29
Pulmonary tuberculosis	39	1	1	1	--	2	6	20	10	27
Other communicable diseases	2	--	--	--	--	1	--	--	1	2
Accidents—all forms, total	87	--	3	6	3	9	15	25	29	52
Motor vehicle	29	--	--	2	--	6	9	10	2	18
Home	29	--	3	4	1	--	1	4	19	18
Occupational	9	XXX	XXX	XXX	--	1	3	5	--	4
Public	20	--	--	--	2	2	2	6	8	12
Arteriosclerosis	63	XXX	XXX	XXX	--	--	--	4	59	53
Cancer	223	--	--	--	1	--	17	64	141	151
Diabetes	54	--	--	--	1	1	2	16	34	30
Diseases of digestive system, total	53	--	4	8	2	--	4	14	25	34
Appendicitis	3	--	--	--	--	--	2	1	--	2
Cirrhosis of the liver	8	--	--	--	--	--	--	4	4	5
Diarrhea and enteritis	8	--	4	6	1	--	--	--	1	5
Hernia and intestinal obstruction	13	--	--	--	1	--	1	3	8	10
Ulcers of stomach or duodenum	11	--	--	--	--	--	1	3	7	6
Goiter—exophthalmic	4	--	--	--	--	--	1	2	1	2
Heart disease, total	646	1	1	1	--	4	23	152	465	417
Coronary	192	--	--	--	--	1	4	76	110	118
Chronic rheumatic	41	--	--	--	--	2	8	9	22	26
Homicide	9	--	--	--	--	--	4	4	1	2
Intracranial lesions of vascular origin	188	--	--	--	--	--	3	37	148	114
Nephritis	126	--	--	--	1	--	1	14	110	77
Prostatic disease	8	--	--	--	--	--	--	--	8	4
Suicide	11	XXX	XXX	XXX	--	--	4	3	4	7
ALL OTHER KNOWN CAUSES	114	3	5	9	1	7	14	23	60	73
CAUSE AS YET UNASSIGNED	5	--	1	2	--	--	--	1	2	4

* Age not reported for 1 death.

Southern Area (Region 6)—1940 population: Total 723,047; Urban 228,885; Rural 494,162.

Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.



Health Statistics BULLETIN

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
SPRINGFIELD, ILLINOIS
Return postage guaranteed

614.1
Il 6h
Cp. 3

THE LIBRARY OF THE

SEP 1 1950

STATE OF ILLINOIS . . . DEPARTMENT OF PUBLIC HEALTH

Health Statistics BULLETIN

DIVISION OF VITAL STATISTICS AND RECORDS

1949 Series, No. 4

Springfield, Illinois

September, 1950

HIGH BIRTH RATE IN 1949

More babies saw the light of day in 1949 than in any other year except 1947. More than 185,500 live births were recorded in Illinois during 1949 for a rate of 22.0 per thousand population, second only to the all time high of 23.4 recorded in 1947. The live birth experience for the present decade is in sharp contrast to that of the 1930's when an average live birth rate of 14.9 per thousand population was recorded. In fact, there was much speculation and even some prediction that deaths might soon exceed births and we would become a nation with a declining population. However, the 1940's saw a resurgence of live birth rates and, with the rapid formation of new families following demobilization, the birth rate soon climbed to its 1947 peak. From 1940 through 1945 the birth rate averaged 18.0 per thousand population, and from 1946 through 1949 the average birth rate was 22.0. The high rate in 1947 was the result of a large increase in the number of first born babies. The current high birth rate is due to an increase in the number of second and higher order births as both the well established and the newly formed families continue to grow. The outlook is for a gradual recession in birth rates because by the middle fifties there will be fewer people in the child-bearing ages than at present. The fact that fewer children were born in the nineteen twenties will become increasingly apparent in the next ten years.

TABLE A. -- BIRTH AND DEATH RATES

	1949	1948
LIVE BIRTHS per 1,000 population	22.0	21.7
DEATHS per 1,000 population	10.8	10.8

Note: Rates are based on estimates of Illinois' population as follows: July 1, 1949 - 8,440,000, July 1, 1948 - 8,348,000.

FAVORABLE MORTALITY EXPERIENCE

Life saving has kept pace with the increased risk of death in our aging population. Mortality in 1949 was at the same level as in 1948, the death rate for each year being 10.8 per thousand population. This relatively constant death

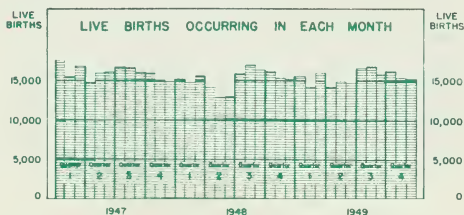
rate has been one of the outstanding features of this decade. With over half of all deaths occurring among the aged, the death rate would inevitably have been much higher than it is today were it not for the great advances made in medicine and the effectiveness of public health protection. The sulfas and the antibiotics provided medical science with amazingly successful tools in their battle to save lives among the sick and the injured. At the same time, public health protection against preventable diseases has reduced many of them to infrequent occurrence.

There were no deaths from smallpox, tularemia, paratyphoid fever, and undulant fever in 1949. This is the eleventh consecutive year in which not a single death from smallpox occurred and the second consecutive year in which not a single case was reported. There was only one death from typhoid fever in 1949. As recently as 1940 there were 33 deaths from typhoid, which at that time seemed unbelievably low.

Public health procedures must be applied continuously to maintain full protection. Only by maximum protection can we prevent such occurrences as the two deaths from rabies and the two deaths from scarlet fever that were recorded in 1949 after having no deaths from these two diseases in 1948 and 1947.

LEADING CAUSES OF DEATH

The predominant causes of death -- heart disease, cancer, and intracranial lesions of vascular origin -- show almost no appreciable change in 1949 as compared to 1948, despite the increase in the number of aged in our population.



STATE OF ILLINOIS

ADLAI E. STEVENSON
GOVERNOR

DEPARTMENT OF PUBLIC HEALTH

ROLAND R. CROSS, M.D.
DIRECTOR*Health Statistics*
BULLETIN

RELEASED FOR THE USE OF PROFESSIONAL WORKERS IN HEALTH

ADDRESS MAIL FOR THE HEALTH STATISTICS BULLETIN TO
O. K. BAGEN, PH.D., CHIEF
DIVISION OF VITAL STATISTICS AND RECORDS

Tuberculosis mortality hit a new low level of 29.0 per hundred thousand population as compared to 31.3 in 1948. This lower tuberculosis mortality helps in the reduction of mortality among the elders in our population since over half of all tuberculosis deaths occur among persons over 45 years old. Mortality from influenza and pneumonia was low in 1949. The absence of any outbreak of influenza and pneumonia was an important factor in holding down mortality in general in 1949.

TABLE B. -- FETAL, INFANT, AND
MATERNAL MORTALITY RATES

	Per 1,000 live births	
	1949	1948
FETAL MORTALITY (Stillbirths)	17.3	18.1
NEONATAL MORTALITY (under 1 month)	20.3	20.5
INFANT MORTALITY (under 1 year)	27.4	27.6
Premature birth	10.0	10.5
MATERNAL MORTALITY	0.8	0.8

MATERNAL AND INFANT MORTALITY

Maternal mortality was at a record low of 0.8 deaths per thousand live births in 1949. Only 144 maternal deaths were recorded in 1949 as compared to 149 for 1948, despite the fact that there were 4,000 more births in 1949. Women at all stages of life have shared in this lowered mortality. However, the relative hazards at different ages remain much as they were. As compared to younger women, the risk of childbirth to a woman over 35 years of age has not been lessened. Stillbirths were at a new minimum of 17.3 per thousand live births, a one-third reduction from the rate of 25.7 recorded

only nine years ago. Again we find less mortality associated with early infancy. Infant mortality in 1949 was 22 per cent below the 1940 rate and neonatal death rate was 15 per cent below the corresponding rate for 1940. There was, however, an increase in mortality from diarrhea and enteritis among infants in the city of Chicago. The total of 120 infant deaths from diarrhea and enteritis recorded in Chicago in 1949 is more than double the 57 such deaths recorded in 1948. The increase occurred among babies over one month of age, with the infection apparently beginning at home.

TABLE C. -- MORTALITY FROM THE TEN
LEADING CAUSES

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1949	1948	1949	1948
Heart disease	34,739	33,787	411.2	404.7
Cancer	13,940	13,674	165.0	163.8
Cerebral hemorrhage*	7,107	7,125	84.1	85.3
All accidents	5,250	5,623	62.1	67.4
Nephritis	4,814	5,048	57.0	60.5
Diabetes	2,891	2,784	34.2	33.3
Influenza and pneumonia	2,849	2,711	33.7	32.5
Tuberculosis	2,452	2,609	29.0	31.3
Premature birth	1,864	1,903	22.1	22.8
Arteriosclerosis	1,500	1,375	17.8	16.5

*Intracranial lesions of vascular origin.

ACCIDENTS

Motor vehicle accident mortality in 1949 was ten per cent lower than in 1948, the corresponding rates being 20.8 deaths per hundred thousand population for 1949 and 23.0 for 1948. There was a substantial reduction in the mortality experience for accidents occurring at work. Only 408 occupational accident deaths were recorded in 1949 as compared to 552 in 1948. Mortality from accidents occurring in the home and in public places was essentially the same in 1949 as in 1948.

TABLE D. -- ACCIDENTAL DEATHS

Cause	Number of deaths		Deaths per 100 thousand inhabitants	
	1949	1948	1949	1948
ALL ACCIDENTS	5,250	5,623	62.1	67.4
Motor vehicle	1,755	1,919	20.8	23.0
Home accidents	1,814	1,846	21.5	22.1
Occupational	408	552	4.8	6.6
Public accidents	1,273	1,306	15.0	15.7

POLIO EPIDEMIC DISASTER AT EFFINGHAM

The unusual and the spectacular always command a great deal of attention. The year 1949 will be remembered for the disastrous hospital fire at Effingham that claimed 71 lives and the severe poliomyelitis epidemic that brought on 231 deaths. This is the highest mortality from polio ever recorded in Illinois.

There were 2.7 polio deaths per 100,000 population in 1949, the highest since 1921 when a rate of 2.2 was recorded. The year 1946 saw the last recent epidemic when a rate of 2.1, as computed from 171 deaths was recorded. The case fatality ratio was also higher in 1949 with a ratio of eight per cent as compared to seven per cent in 1946. At the same time, the highest risk of death from polio has been shifting towards the older ages. The greatest mortality risk is now among those in their twenties.

More than two-thirds of the 2,911 poliomyelitis cases were reported from downstate Illinois. Eight downstate counties reported 90 or more cases during the year. In order of magnitude they were: Champaign, Knox, Kane, Marion, Du Page, Sangamon, Peoria, and Madison counties. The city of Chicago had fewer cases and fewer deaths from polio in 1949 than in 1946, the corresponding figures being 430 cases and 43 deaths in 1949, and 750 cases and 59 deaths in 1946.

CHANGING POPULATION TRENDS

Current mortality and natality trends are

producing many changes in our population. People are living longer and so we have many more aged in our population -- one out of twelve today as compared to one out of fourteen in 1940. Today, a newborn child can expect to live to be 68 years of age as compared to only 65 years in 1940. Our population is growing at a rate of over eleven per thousand inhabitants due to the high birth rate and the favorable mortality experience. This is more than double the rate of growth seen in the 1930's.

These very changes in the composition of our population are also having their effect on the course of public health. There is an increasing awareness of the importance of successfully combating the degenerative diseases that accompany the aging process. The prevention of disability -- mental as well as physical -- is becoming one of the prime tasks of public health. Programs for accident prevention are being developed to cut down the heavy toll of injury and death. An increasing proportion of our population are in the non-productive ages -- the very young and the aged. Thus, persons in the productive ages will have a heavier task in the production of food, shelter, and clothing. Injury, disability, and death during the productive years places a two fold burden on the individual and society. There is the direct monetary cost for medical and other expenses and the present as well as the future economic loss through lowered productivity. Minimizing this loss by protecting all phases of the health of the individual will depend on the future success of the science of medicine and public health.

TABLE E. -- AGE SELECTION OF POLIO DEATHS IN CERTAIN EPIDEMIC YEARS

YEAR	PERCENT OF DEATHS AT EACH STAGE OF LIFE							
	All Ages	0-4 years	5-9 years	10-14 years	15-19 years	20-29 years	30-39 years	40 and over
1927	100.0	35.9	23.3	19.4	6.8	11.7	1.9	1.0
1931	100.0	28.5	20.6	22.5	13.7	9.8	2.9	2.0
1937	100.0	23.3	16.7	20.0	17.8	10.0	5.5	6.7
1943	100.0	9.9	29.6	30.3	13.2	10.5	3.9	2.6
1945	100.0	11.8	26.9	23.6	9.7	9.7	9.7	8.6
1946	100.0	14.0	21.1	18.7	14.6	17.0	8.8	5.8
1949	100.0	12.1	16.8	16.8	12.6	29.8	8.1	3.8

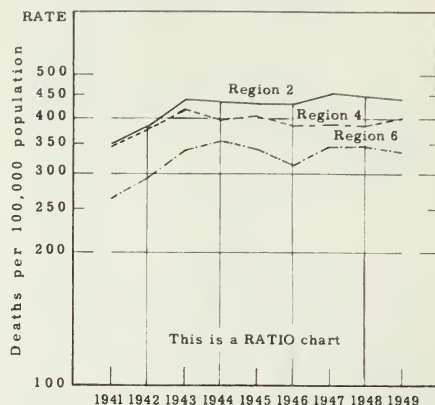
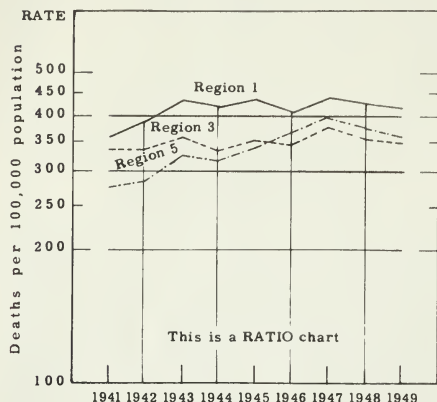
MORTALITY BY REGION

The graphs on page 4 and the back page show the trend of mortality from selected causes for each of the six regions in the State. (For map of the state by region see page five).

Mortality from heart disease in each region exhibits the same slowly rising trend seen for the entire State, and for the nation as a whole.

Region 6 (Southern Area) has the lowest death rate from heart disease. However, the available evidence indicates that under-registration of deaths and births is negligible everywhere except in the southern portion of the State. Therefore, the rates in that area tend to underestimate actual conditions.

HEART DISEASE MORTALITY BY REGION OF RESIDENCE: ILLINOIS, 1941-1949

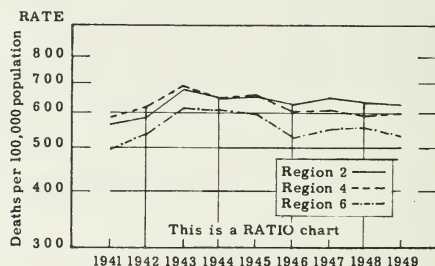
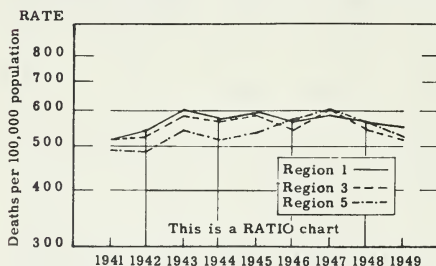


When we take the cardiovascular-renal diseases as a group some additional facts come to light. The "spread" between the rates for each region is much smaller. This is due to the fact that mortality from arteriosclerosis, nephritis, and intracranial lesions of vascular origin is lower in Region 1 than in the rest of the State while at the same time mortality from heart disease is high in Region 1. More important perhaps is the very slight, if any, rise in the death rate for the cardiovascular-renal diseases as a group. A detailed study of the relationship between the trend of the death rate

for heart disease and the cardiovascular-renal diseases was published recently by the U. S. Public Health Service.¹ They concluded that with the rise in heart disease at ages over 45 years, there has been a compensating decrease in the mortality from causes of death closely associated with heart disease, such as intracranial lesions of vascular origin, chronic nephritis, and arteriosclerosis. This compensating effect is sufficient to remove all signs of an upward trend when the entire class of causes is taken as a group.

MORTALITY FROM CARDIOVASCULAR-RENAL DISEASES BY REGION OF RESIDENCE:
ILLINOIS, 1941-1949

(Heart disease, intracranial lesions of vascular origin, arteriosclerosis, and nephritis.)

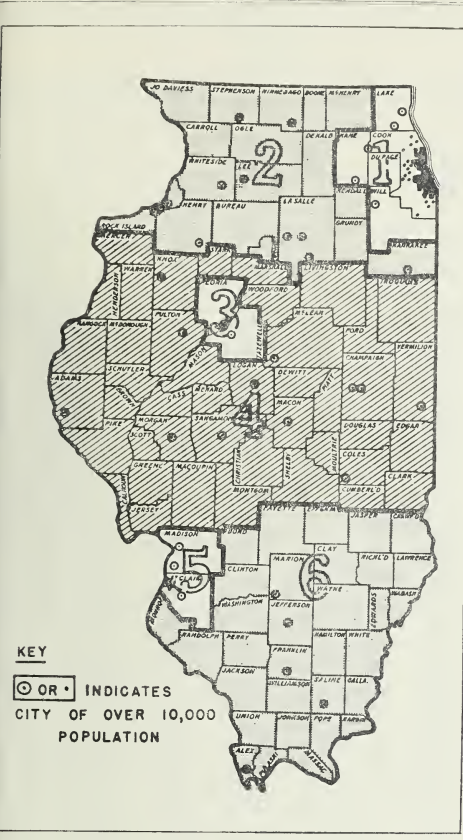


The highest cancer mortality is to be found in Region 1 (Chicago Metropolitan Area) and the lowest in Region 6 (Southern Area). However,

until the information from the 1950 census is see REGION MORTALITY on back page

¹ Federal Security Agency, Public Health Service, Vol. 63, No. 39.

THE SIX MAJOR REGIONS OF ILLINOIS



AREA	POPULATION - 1940 CENSUS		
	Total	Urban*	Rural*
Kankakee County.....	40,877	25,930	14,947
Kendall County.....	22,241	22,241	—
LaSalle County.....	11,105	65,338	11,105
LaSalle.....	97,801	12,812	12,812
Ottawa.....	16,005	16,005	—
Streator.....	14,930	14,930	—
Lee County.....	34,694	10,671	23,933
Dixon.....	10,671	10,671	—
Henry County.....	37,311	13,161	24,150
Cole County.....	12,029	12,029	—
Putnam County.....	5,289	—	5,289
Rock Island County.....	113,323	92,732	20,591
East Moline.....	12,359	12,359	—
Moline.....	34,608	34,608	—
Rock Island.....	42,775	42,775	—
Stephenson County.....	40,546	22,366	18,280
Whiteside County.....	22,266	22,266	—
Streator.....	43,138	22,122	21,216
Winnebago.....	11,163	11,163	—
Rockford.....	121,170	87,462	33,716
Rockford.....	84,637	84,637	—
REGION 3 - PEORIA METROPOLITAN			
Peoria County.....	153,374	109,463	43,911
Peoria.....	109,087	105,087	—
Thawell County.....	58,362	29,748	28,614
Peoria.....	19,407	19,407	—
REGION 4 - CENTRAL			
Adams County.....	65,229	40,469	24,760
Quincy.....	40,469	40,469	—
Bureau County.....	8,053	—	8,053
Calhoun County.....	8,207	—	8,207
Case County.....	16,245	16,245	—
Champaign County.....	70,578	37,360	33,212
Champaign.....	23,302	23,302	—
Urbana.....	14,064	14,064	—
Christian County.....	18,564	14,279	24,285
Clark County.....	15,542	5,301	11,541
Coles County.....	38,470	24,204	16,446
Mt. Pleasant.....	15,827	15,827	—
Cumberland County.....	18,908	11,459	—
DeWitt County.....	18,244	6,331	11,913
Douglas County.....	14,430	2,838	14,752
Edgar County.....	9,281	9,281	—
Ford County.....	15,007	3,105	11,901
Fulton County.....	14,827	11,901	—
Clinton.....	11,577	11,577	—
Hancock County.....	20,292	5,582	14,710
Henderson County.....	8,949	—	8,949
Greene County.....	32,496	7,744	24,752
Jersey County.....	13,636	4,809	8,827
Galesburg.....	52,256	32,094	20,156
Livingston County.....	18,876	18,876	—
Logan County.....	38,838	9,585	29,253
Lincoln.....	12,752	12,752	—
McDonough County.....	25,906	11,670	15,234
McLean County.....	39,390	19,851	34,079
Macon County.....	84,693	59,305	25,388
Decatur.....	75,503	75,503	—
Macoupin County.....	41,304	19,217	27,087
Marshall County.....	13,171	13,171	—
Mason County.....	13,558	13,558	—
Merced County.....	10,463	2,586	8,077
Montgomery County.....	17,701	15,108	—
Montgomery.....	34,499	14,124	20,375
Jacksonville.....	19,844	18,444	16,534
Madison County.....	13,477	3,101	10,376
Platt County.....	22,481	14,439	11,346
Pike County.....	25,340	2,884	22,456
Shoguen County.....	11,791	75,503	42,469
Springfield.....	75,503	75,503	—
Schuyler County.....	11,430	—	11,430
Scott County.....	8,176	8,176	—
Shelby County.....	26,290	4,092	22,198
Stark County.....	22,481	—	22,481
Vermilion County.....	86,791	48,981	6,881
Warren County.....	21,286	9,096	12,190
Woodford County.....	19,124	—	19,124
REGION 5 - EAST ST. LOUIS METROPOLITAN			
Madison County.....	149,349	104,638	44,711
Alton.....	31,255	31,255	—
Granite City.....	29,871	29,871	—
St. Clair County.....	166,899	108,537	58,362
Belleville.....	28,405	28,405	—
East St. Louis.....	75,609	75,609	—
REGION 6 - SOUTHERN			
Alexander County.....	25,496	14,407	11,089
Alton.....	14,407	14,407	—
Calhoun County.....	14,561	14,561	—
Bond County.....	18,947	5,474	13,473
Clay County.....	12,812	12,812	—
Crawford County.....	21,294	4,311	16,983
Edwards County.....	8,974	8,974	—
Effingham County.....	22,034	6,180	15,854
Fayette County.....	29,159	5,288	23,871
Franklin County.....	22,034	26,599	37,810
West Frankfort.....	12,383	12,383	26,543
Gallatin County.....	11,414	11,414	—
Hamilton County.....	13,455	2,538	10,916
Hardin County.....	7,759	—	7,759
Jackson County.....	13,431	17,526	20,394
Jasper County.....	14,724	14,724	—
Mount Vernon.....	30,727	14,724	19,651
Johnson County.....	14,724	14,724	—
LaSalle County.....	10,727	—	10,727
LaSalle.....	16,343	6,343	14,862
Marion County.....	47,989	13,248	24,961
Centralia.....	16,343	16,343	—
Massac County.....	8,687	8,687	—
Monroe County.....	12,754	—	12,754
Perry County.....	10,661	10,661	12,777
Pike County.....	7,999	—	7,999
Pulaski County.....	15,875	15,875	—
Randolph County.....	33,608	8,744	24,864
Richland County.....	17,137	7,831	9,306
Saline County.....	11,453	11,453	—
Harrisburg.....	11,453	16,344	21,722
Union County.....	21,258	11,453	11,453
Wabash County.....	4,092	4,092	17,436
Washington County.....	15,801	15,801	—
Wayne County.....	22,027	4,008	18,084
White County.....	20,027	19,029	—
Williamson County.....	51,424	26,914	24,510

AREA	POPULATION - 1940 CENSUS		
	Total	Urban*	Rural*
REGION 1 - CHICAGO METROPOLITAN			
Cook County.....	4,061,342	3,986,153	107,189
Berwyn.....	48,451	48,451	—
Blue Island.....	16,838	16,838	—
Brookfield.....	10,817	10,817	—
Calumet City.....	13,214	13,214	—
Chicago.....	3,396,400	3,396,400	—
Chicago Heights.....	22,461	22,461	—
Elmhurst.....	64,712	64,712	—
Forest Park.....	13,689	13,689	—
Harvey.....	65,389	65,389	—
LaGrange.....	14,640	14,640	—
Maywood.....	10,479	10,479	—
Melrose Park.....	26,648	26,648	—
Oak Park.....	10,933	10,933	—
Park Ridge.....	12,430	12,430	—
Winnetka.....	12,063	12,063	—
DuPage County.....	17,226	17,226	—
Elmhurst.....	16,480	16,480	—
Kane County.....	103,480	73,204	30,276
Aurora.....	16,480	16,480	—
LaGrange.....	130,206	99,984	30,222
Elgin.....	47,170	47,170	—
Highland Park.....	38,311	38,311	—
Lake County.....	171,094	79,652	41,442
Waukegan.....	14,476	14,476	—
Will County.....	34,241	34,241	—
Joliet.....	114,210	47,608	66,602
Joliet.....	42,365	42,365	—
REGION 2 - NORTHERN			
Boone County.....	15,202	8,094	7,108
Bureau County.....	37,600	10,234	27,366
Carroll County.....	17,987	4,792	13,195
DeKalb County.....	34,988	16,456	17,932
Grundy County.....	14,195	14,195	—
Henry County.....	43,798	23,537	20,261
Keokuk.....	16,901	16,901	—
To Davis County.....	19,989	4,126	15,863

* Corporate places of 5,000 population or more are considered urban and places under 5,000 are considered rural.

BASIC HEALTH STATISTICS: ILLINOIS, 1940-1949
TABLE : - NUMBER OF BIRTHS, DEATHS, AND REPORTED CASES

(Deaths are those occurring within the State. Cases are those reported to Illinois health officers.)

	International List Number 5th revision 1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949*
POPULATION (As of July 1)		7,906,514	7,943,608	7,904,164	7,993,255	7,630,000	7,721,000	8,028,453	8,221,000	8,348,000	8,449,000
LIVE BIRTHS		123,211	134,447	154,075	152,670	138,805	135,042	171,282	172,420	181,204	189,156
DEATHS - ALL CAUSES		86,233	85,552	86,707	90,714	87,144	89,204	88,429	92,393	89,902	96,174
MATERNAL AND INFANT DEATHS											
Maternal causes		359	331	292	309	254	251	229	200	149	14
Stillbirths		3,162	3,197	3,399	3,399	3,048	2,927	3,545	3,625	3,271	3,424
All causes		2,961	3,146	3,548	3,409	3,023	2,958	3,919	4,182	3,714	3,771
Neonatal deaths											
Infant deaths	All causes	4,331	4,564	5,075	5,070	4,496	4,300	5,179	5,557	5,008	5,008
Premature birth	159	1,510	1,515	1,792	1,683	1,310	1,351	1,954	1,971	1,906	1,866
Diarrhea and enteritis (Under 2 yrs.)	119	199	253	234	260	191	204	181	170	168	224
EXTERNAL CAUSES											
Accidents - all forms		5,845	6,097	5,202	4,985	4,899	5,232	5,537	5,843	5,440	5,225
Motor vehicle accidents	170	2,315	2,566	1,650	1,283	1,317	1,547	1,825	1,942	1,939	1,755
Homicide	165 - 168	343	363	352	293	312	358	474	421	492	400
Suicide	163 - 164	1,154	1,043	937	812	755	846	937	954	877	98
GENERAL CAUSES											
Appendicitis	121	824	708	538	509	501	399	352	308	267	25
Arteriosclerosis	97	1,364	1,278	1,286	1,512	1,526	1,624	1,526	1,439	1,377	1,50
Cancer	45 - 55	11,310	11,599	11,815	12,142	12,482	12,968	12,910	13,446	13,680	13,348
Cerebral hemorrhage †	83	6,744	6,594	6,735	7,186	6,759	7,235	7,057	7,421	7,130	7,10
Cirrhosis of the liver	124	862	844	908	884	866	895	981	1,159	1,188	713
Diabetes mellitus	61	2,632	2,283	2,448	2,558	2,605	2,700	2,543	2,736	2,785	2,89
Diarrhea and enteritis (Over 2 yrs.)	120	225	178	134	135	126	98	96	102	74	9
Diseases of infancy, total	157 - 161	3,073	3,265	3,698	3,616	3,307	3,201	4,167	4,438	4,048	4,003
Croup	63	285	252	250	239	221	224	201	171	164	15
Heart disease	90 - 95	27,614	27,005	29,126	31,322	30,680	31,691	31,422	34,235	33,809	34,73
Hernia and intestinal obstruction	122	764	810	793	817	833	760	732	703	655	63
Nephritis	130 - 132	7,241	6,835	6,539	6,840	6,107	6,132	5,593	5,273	5,049	4,81
Prostatic disease	137	614	560	588	634	650	558	585	579	525	48
Stomach, duodenal ulcers	117	559	651	583	620	619	594	538	604	633	66
COMMUNICABLE DISEASES											
Chickenpox ----- Deaths	38c	3	6	6	3	6	8	6	3	6	6
Diphtheria ----- Cases	10	86	58	63	78	23	15	31	12	10	10
Dysentery ----- Cases	27	936	940	815	587	315	194	469	163	87	5
Encephalitis ----- Deaths	37	24	25	24	28	33	42	22	24	19	2
Influenza ----- Cases	33	645	510	373	630	521	342	242	243	132	7
Malaria ----- Deaths	28	1,124	1,402	1,096	1,439	1,018	1,018	345	1,125	172	31
Measles ----- Deaths	35	14	88	36	53	85	10	52	9	84	5,82
Meningitis (Meningococcus) ----- Cases	6	8,669	57,075	10,060	29,694	19,451	7,930	25,995	8,341	41,901	5,82
Mumps ----- Deaths	44c	4	2	5	3	4	3	1	--	2	20
Paratyphoid ----- Cases	2	6,409	13,065	7,388	7,108	6,268	7,205	5,290	6,492	11,749	8,54
Pneumonia, all forms ----- Deaths	107 - 109	3,732	3,189	3,173	3,184	2,748	2,911	2,796	3,037	2,580	2,77
Poliomyelitis ----- Cases	36	14,598	12,420	11,359	11,419	8,567	6,813	6,287	4,754	5,070	4,96
Rabies ----- Deaths	38b	54	22	34	152	34	93	171	26	65	23
Rheumatic fever (acute) ----- Cases	58	581	374	487	1,576	560	1,104	2,554	860	1,104	2,91
Rocky Mt. spotted fever ----- Deaths	39c	1	1	1	1	2	2	1	--	--	--
Scarlet fever ----- Deaths	8	67	42	33	22	28	27	10	1	--	--
Smallpox ----- Cases	6	20,814	11,583	7,754	6,989	11,731	10,521	6,397	4,063	4,512	3,99
Tetanus ----- Deaths	12	167	102	60	68	12	12	6	--	--	--
Tuberculosis, all forms ----- Cases	13 - 22	28	25	28	30	20	17	11	7	9	11
Typhoid fever ----- Deaths	26a	42	32	38	44	30	32	37	30	20	3
Typhoid fever ----- Cases	1	3,654	3,474	3,249	3,240	3,125	3,119	2,958	2,772	2,610	2,45
Undulant fever ----- Deaths	5	8,574	9,412	9,415	8,740	7,967	6,305	6,587	7,172	6,982	7,951
Whooping cough ----- Cases	9	272	106	67	55	91	131	98	124	57	7
Whooping cough ----- Deaths	1	33	26	18	10	12	9	9	3	3	101
Whooping cough ----- Cases	5	310	280	233	121	102	87	106	139	93	101
Whooping cough ----- Deaths	5	155	117	215	306	32	324	478	554	513	514
Whooping cough ----- Cases	9	65	90	95	98	42	53	30	41	26	21
Whooping cough ----- Deaths	6,411	7,707	11,759	7,459	3,194	4,106	5,431	4,795	2,202	3,942	3,942
VENEREAL DISEASES											
Gonococcus infection ----- Deaths	25	16	13	10	2	8	6	7	4	4	4
Syphilis ----- Cases	30	17,281	19,249	20,606	21,580	22,580	27,117	37,956	32,784	28,725	25,08
Syphilis ----- Deaths	30	1,014	951	840	851	742	747	676	596	526	62
Syphilis ----- Cases	30	21,979	23,484	26,678	26,680	25,165	21,675	23,701	19,360	17,005	13,904

* 1949 figures are provisional.

† Intracranial lesions of vascular origin.

‡ Amebiasis carriers, included in the dysentery group for 1945 to 1949.

\$ The regulation requiring the reporting of cases of rheumatic fever in downstate Illinois only, went into effect July 1, 1943.

Not available.

BASIC HEALTH STATISTICS: ILLINOIS, 1940-1949

7

TABLE : -NATALITY, MORBIDITY, AND MORTALITY RATES

(Based on deaths occurring within the State and cases reported to Illinois health officers. The birth rate and the rate for Mortality all causes are per 1,000 population. Maternal and infant causes, except diarrhea and enteritis, are per 1,000 live births. All other rates are per 100,000 population. Population estimated for each year as of July 1.)

	International List Number 5th revision 1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949*
IVE BIRTHS		15.6	16.9	19.5	20.1	18.2	17.5	21.3	23.4	21.7	22.0
EATHS - ALL CAUSES		11.2	10.8	11.0	11.9	11.4	11.6	11.0	11.2	10.8	10.8
TERNAL AND INFANT CAUSES											
Maternal causes	140 - 150	2.9	2.5	1.9	2.0	1.8	1.9	1.3	1.0	0.8	0.8
Stillbirths		25.7	23.8	22.0	22.2	22.0	21.7	21.3	18.8	18.1	17.3
Neonatal mortality	All causes	24.0	23.4	23.0	22.3	21.8	21.9	22.9	21.7	20.5	20.3
Infant mortality	All causes	35.2	33.9	32.9	33.2	32.4	31.8	30.2	28.9	27.6	27.4
Premature birth		12.3	11.3	11.6	11.0	9.4	10.1	11.4	10.2	10.5	10.0
Diarrhea and enteritis (Under 2 yrs.)	119	2.5	3.2	3.0	3.4	2.5	2.6	2.3	2.1	2.0	2.9
TERNAL CAUSES											
Accidents - all forms	169 - 195	73.9	76.8	65.8	65.7	64.2	67.8	69.0	71.1	67.7	62.1
Motor vehicle accidents	170	29.3	32.3	20.9	16.9	17.3	20.0	22.7	23.6	23.2	20.8
Homicide	165 - 168	4.3	4.6	4.5	3.9	4.1	4.6	5.9	5.1	5.9	4.7
Suicide	163 - 164	14.6	13.1	11.9	10.7	9.9	11.0	11.7	11.6	10.5	11.7
ENERAL CAUSES											
Appendicitis	121	10.4	8.9	6.8	6.7	6.6	5.2	4.4	3.7	3.2	3.0
Arteriosclerosis	97	17.3	16.1	16.3	19.9	20.0	21.0	19.5	17.5	16.5	17.8
Cancer	45 - 55	143.0	145.9	149.5	159.9	163.6	166.6	160.9	163.6	163.9	165.0
Cerebral hemorrhage †	83	85.3	83.0	85.2	94.6	88.6	93.7	87.9	90.3	85.4	84.1
Cirrhosis of the liver	124	10.9	10.6	11.5	11.6	11.3	11.6	12.2	14.1	14.2	14.6
Diabetes mellitus	61	33.3	28.7	31.0	33.7	34.1	35.0	31.7	33.3	33.4	34.2
Diarrhea and enteritis (Over 2 yrs.)	120	2.8	2.2	1.7	1.8	1.7	1.3	1.2	1.2	0.9	1.1
Diseases of infancy, total	157 - 161	36.9	41.2	46.8	47.6	47.5	47.5	51.9	54.0	48.5	47.8
Gout	63b	3.6	3.2	3.2	3.1	2.9	2.9	2.5	2.2	2.0	1.9
Heart disease	90 - 95	349.3	340.0	368.5	412.5	402.1	413.0	391.4	416.4	405.0	411.2
Hernia and intestinal obstruction	122	9.7	10.2	10.0	10.8	10.9	9.8	9.1	8.6	7.8	7.6
Nephritis	130 - 132	91.6	86.0	82.7	90.1	80.0	79.4	69.7	63.7	60.5	57.0
Prostatic disease	137	7.8	7.0	7.4	8.3	8.5	7.2	7.3	7.0	6.3	5.7
Stomach, duodenal ulcers	117	7.1	8.2	7.4	8.2	8.1	7.7	6.7	7.3	7.6	7.8
COMMUNICABLE DISEASES											
Chickenpox-----Deaths	38c	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1
Cases		228.3	203.5	172.3	166.6	216.2	136.1	145.9	173.6	190.8	192.9
Diphtheria-----Deaths	10	1.1	0.7	0.8	1.0	0.3	0.2	0.4	0.1	0.1	0.0
Cases		11.8	11.8	10.3	7.7	4.1	2.5	5.8	2.1	1.0	0.6
Dysentery-----Deaths	27	0.6	0.4	0.7	0.4	0.4	0.2	0.3	0.3	0.2	0.2
Cases †		2.6	3.2	5.7	2.0	2.7	0.4	2.9	4.0	6.0	7.3
Encephalitis-----Deaths	37	0.3	0.3	0.3	0.4	0.4	0.5	0.3	0.3	0.2	0.2
Cases		0.9	1.4	0.9	1.1	1.0	0.9	0.7	0.7	1.0	0.7
Influenza-----Deaths	33	3.2	6.4	4.7	8.3	6.8	4.4	3.0	3.0	1.6	0.9
Cases		14.2	17.6	17.7	27.6	18.9	13.2	4.3	13.7	21.1	3.7
Malaria-----Deaths	28	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1
Cases		2.5	1.6	1.2	1.6	0.3	0.1	0.5	0.1	0.1	0.0
Measles-----Deaths	35	0.2	1.1	0.5	0.7	1.1	0.1	0.6	0.1	1.0	0.1
Cases		109.6	718.5	127.3	391.1	254.9	102.7	323.8	101.5	501.9	68.9
Meningitis (Meningococcus)-Deaths	6	0.2	0.2	0.3	2.0	2.4	1.7	0.9	0.5	0.6	0.6
Cases		0.6	1.1	1.1	10.4	13.1	4.9	4.1	2.5	2.6	2.4
Mumps-----Deaths	44c	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Cases		81.1	164.4	93.5	93.6	82.1	93.3	65.9	79.0	140.7	101.1
Paratyphoid-----Deaths	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cases		0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0
Pneumonia, all forms-----Deaths	107 - 109	47.3	40.0	40.1	41.9	36.0	37.7	34.8	36.9	30.9	32.8
Cases		184.6	156.4	143.7	150.4	112.3	88.2	78.3	57.8	60.7	58.8
Poliomyelitis-----Deaths	36	0.7	0.3	0.4	2.0	0.4	1.2	2.1	0.3	0.8	2.7
Cases		7.3	4.7	6.2	20.8	7.3	14.3	31.8	10.5	13.2	34.5
Rabies-----Deaths	38b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cases		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rheumatic fever (acute)-----Deaths	58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cases †		1.7	1.3	1.0	1.0	0.9	0.9	0.8	0.6	0.5	0.4
Rocky Mt. spotted fever-----Deaths	39c	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cases		0.8	0.2	0.3	0.2	0.2	0.2	0.5	0.4	0.2	0.2
Scarlet fever-----Deaths	8	0.8	0.5	0.4	0.3	0.4	0.3	0.1	0.0	0.0	0.0
Cases		263.3	145.8	98.1	92.0	153.7	136.3	79.2	44.4	50.7	7.3
Smallpox-----Deaths	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cases		2.1	1.3	0.8	0.9	0.2	0.2	0.1	0.0	0.0	0.0
Tetanus-----Deaths	12	0.4	0.3	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.1
Cases		0.5	0.6	0.6	0.6	0.4	0.4	0.5	0.4	0.2	0.4
Tuberculosis-----Deaths	13 - 22	46.2	43.7	41.1	42.7	41.0	40.4	36.8	33.7	31.3	29.0
Cases		108.4	118.5	119.1	115.1	104.4	81.7	82.0	94.5	83.6	94.2
Tularemia-----Deaths	26a	0.3	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
Cases		3.4	1.3	0.8	0.7	1.2	1.7	1.2	1.5	0.7	0.9
Typhoid fever-----Deaths	1	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0
Cases		3.9	3.5	2.9	1.6	1.3	1.1	1.3	1.7	1.1	1.2
Undulant fever-----Deaths	5	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0
Cases		2.0	2.7	3.4	4.0	4.2	4.2	6.0	6.7	6.1	6.1
Whooping cough-----Deaths	9	0.8	1.1	1.2	1.3	0.6	0.7	0.4	0.5	0.3	0.3
Cases		81.1	97.0	148.8	98.2	41.9	53.2	67.6	58.3	26.4	46.7
GENERAL DISEASES											
Jonococcus infection-----Deaths	25	0.2	0.2	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.1
Cases		218.6	242.3	260.7	248.2	295.9	351.2	472.8	398.9	344.1	296.8
Syphilis-----Deaths	30	12.8	12.0	10.6	11.2	11.0	10.3	9.3	8.2	7.1	7.3
Cases		278.0	295.6	362.8	377.7	329.8	280.7	295.2	235.5	203.7	164.6

1949 figures are provisional.

Intracranial lesions of vascular origin.

Amebiasis carriers, included in the dysentery group for 1945 to 1949.

The regulation requiring the reporting of cases of rheumatic fever in downstate Illinois only, went into effect July 1, 1943.

Not available.

TABLE I. - LIVE BIRTHS, STILLBIRTHS, AND DEATHS FROM ALL CAUSES BY PLACE OF OCCURRENCE, 1949
(All registrations within the State)

County of Occurrence	Estimated Civilian Population*	Live Births	Stillbirths	Deaths	County of Occurrence	Estimated Civilian Population*	Live Births	Stillbirths	Deaths
Entire State	8,449,000	185,576	3,207	90,971	La Salle	103,051	2,350	35	1,096
Chicago	3,639,000	78,561	1,491	37,782	Lawrence	21,564	77	2	124
Downstate	4,810,000	107,015	1,716	53,189	Lee	36,061	699	11	467
					Livingston	39,974	723	10	436
Adams	68,436	1,578	32	942	Logan	30,447	593	7	380
Alexander	26,707	727	20	313	McDonough	27,845	709	15	379
Bond	14,828	13	--	97	McHenry	39,237	781	11	474
Boone	15,782	500	3	205	McLean	77,615	1,960	31	955
Brown	8,055	29	--	74	Macon	90,815	2,691	38	1,030
Bureau	38,822	888	14	461	Macoupin	48,023	264	5	370
Calhoun	8,165	40	--	46	Madison	164,147	4,095	67	1,696
Carroll	18,543	342	8	155	Marion	50,080	1,197	17	498
Cass	17,030	364	5	169	Marshall	13,537	8	1	100
Champaign	76,092	2,759	35	790	Mason	15,815	42	--	92
Christian	40,217	964	14	399	Massac	15,266	182	2	163
Clark	18,978	68	3	159	Menard	10,911	32	--	54
Clay	19,422	175	2	96	Mercer	18,165	19	--	90
Clinton	23,854	412	10	199	Monroe	12,966	4	--	94
Coles	40,524	1,105	14	461	Montgomery	35,589	1,022	16	503
Cook	4,405,078	96,453	1,771	46,936	Morgan	37,764	860	13	857
Crawford	21,842	426	12	243	Moultrie	13,785	37	1	110
Cumberland	11,684	73	2	96	Ogle	30,923	403	2	265
De Kalb	36,095	994	18	422	Peoria	165,096	5,233	91	2,037
De Witt	18,782	245	1	185	Perry	24,374	482	3	205
Douglas	18,090	385	6	154	Piatt	15,051	200	2	80
Du Page	112,001	2,192	34	1,105	Pike	25,610	342	3	246
Edgar	25,089	451	3	296	Pope	7,862	57	2	57
Edwards	9,138	56	1	59	Pulaski	16,213	127	5	149
Effingham	22,798	635	15	253	Putnam	5,374	1	--	30
Fayette	29,626	553	16	238	Randolph	34,938	796	10	317
Ford	15,532	242	6	132	Richland	17,663	630	8	241
Franklin	55,808	703	12	410	Rock Island	122,489	3,455	55	1,497
Fulton	46,247	853	15	458	St. Clair	184,152	4,369	98	1,913
Gallatin	11,646	111	1	90	Saline	39,558	936	17	455
Greene	20,862	490	9	178	Sangamon	125,570	3,501	56	1,662
Grundy	19,222	346	6	157	Schuyler	11,480	121	--	79
Hamilton	13,390	220	4	116	Scott	8,330	19	--	39
Hancock	26,885	183	2	189	Shelby	26,587	330	3	221
Hardin	7,912	149	8	61	Stark	9,079	3	1	36
Henderson	9,122	12	--	48	Stephenson	42,468	1,241	23	527
Henry	45,675	1,038	14	479	Tazewell	62,742	1,005	12	447
Iroquois	33,249	560	6	280	Union	22,011	433	8	474
Jackson	39,602	1,056	23	397	Vermilion	91,560	2,103	32	1,102
Jasper	13,392	83	--	71	Wabash	14,239	145	2	125
Jefferson	35,703	1,003	14	416	Warren	22,033	585	12	282
Jersey	14,106	52	2	110	Washington	15,926	30	--	93
Jo Daviess	20,509	36	1	168	Wayne	22,265	200	1	154
Johnson	10,679	105	--	76	White	20,565	204	6	151
Kane	139,419	5,039	77	2,276	Whiteside	45,893	1,177	15	412
Kankakee	64,740	1,558	25	1,503	Will	121,849	2,816	46	1,286
Kendall	11,371	2	--	45	Williamson	53,844	830	10	597
Knox	55,015	1,238	14	612	Winnebago	131,244	3,671	60	1,326
Lake	133,873	4,257	64	1,513	Woodford	19,718	23	--	140

* Estimated population as of July 1, 1949.

TABLE II. - ALL DEATHS IN ILLINOIS ACCORDING TO CAUSE, 1949

(All registrations within the State)

CAUSE (5th Revision)	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	90,971	3,772	5,085	5,889	727	1,392	7,183	27,611	48,154	4,039
SELECTED CAUSES OF DEATH	86,853	3,717	4,893	5,523	621	1,254	6,559	26,357	46,529	3,823
Diseases of infancy, total	4,038	3,473	3,849	3,928	21	18	42	22	6	63
Premature birth	1,864	1,843	1,864	1,864	xxx	xxx	xxx	xxx	xxx	25
Maternal causes, total	144	xxx	xxx	xxx	--	33	110	1	xxx	2
Puerperal septicemia	47	xxx	xxx	xxx	--	13	34	--	xxx	1
Puerperal toxemia	40	xxx	xxx	xxx	--	10	30	--	xxx	1
Communicable diseases, total	6,413	163	602	815	170	275	1,097	2,017	2,038	609
Acute respiratory diseases, total	2,849	159	536	646	41	32	209	600	1,320	91
Influenza	77	--	7	15	1	2	9	12	38	--
Pneumonia	2,772	159	529	631	40	30	200	588	1,282	91
Diphtheria	4	--	1	3	--	--	--	1	--	1
Dysentery—all forms	19	--	1	1	1	--	6	8	3	--
Encephalitis—infectious	20	--	1	1	--	--	5	10	4	--
Measles	7	--	2	4	1	1	--	1	--	--
Meningitis—meningococcus	49	--	10	26	7	1	3	8	4	--
Pertussis (whooping cough)	25	--	20	24	--	--	1	--	--	--
Poliomyelitis	232	--	5	29	78	57	67	5	--	15
Rheumatic fever	35	--	--	2	11	5	7	6	4	1
Scarlet fever	2	--	--	--	2	--	--	--	--	--
Syphilis	620	2	2	2	--	3	58	356	201	30
Tuberculosis—all forms	2,452	2	13	61	23	172	726	989	481	467
Pulmonary tuberculosis	2,272	2	5	16	9	155	692	946	454	458
Other communicable diseases	99	--	11	16	6	4	19	33	21	4
Accidents—all forms, total	5,250	24	131	308	251	493	973	1,246	1,970	490
Motor vehicle	1,755	--	7	64	103	320	463	451	354	292
Home	1,814	12	103	192	49	34	141	267	1,131	34
Occupational	408	xxx	xxx	xxx	3	34	138	180	53	45
Public	1,273	12	21	52	96	110	231	348	432	119
Arteriosclerosis	1,500	xxx	xxx	xxx	--	--	4	145	1,351	71
Cancer	13,940	1	4	34	44	66	1,071	5,728	6,997	742
Diabetes	2,891	--	3	7	6	22	89	1,033	1,734	78
Diseases of digestive system, total	3,979	52	284	369	58	46	474	1,551	1,481	186
Appendicitis	252	1	1	14	21	10	48	92	67	6
Cirrhosis of the liver	1,233	2	7	13	2	5	205	614	394	84
Diarrhea and enteritis	338	42	230	255	7	6	18	22	30	8
Hernia and intestinal obstruction	639	3	22	31	12	5	52	191	348	17
Ulcers of stomach or duodenum	661	2	8	10	2	2	65	315	267	29
Goiter—exophthalmic	164	--	--	--	--	3	13	87	61	6
Heart disease, total	34,739	3	8	21	44	127	1,637	10,807	22,100	1,111
Coronary	9,609	--	1	1	--	15	529	4,166	4,897	276
Chronic rheumatic	1,548	--	--	3	28	48	294	572	603	72
Homicide	401	1	2	7	3	56	233	87	13	13
Intracranial lesions of vascular origin	7,107	--	9	20	8	11	250	1,931	4,886	202
Nephritis	4,814	--	1	14	12	55	300	1,195	3,238	191
Prostatic disease	484	--	--	--	--	--	--	69	415	19
Suicide	989	xxx	xxx	xxx	4	42	266	438	239	40
ALL OTHER KNOWN CAUSES	4,027	54	189	357	104	127	603	1,228	1,606	200
CAUSE AS YET UNASSIGNED	91	1	3	9	2	11	21	26	19	16

* Age not reported for 15 deaths.

ENTIRE STATE--1940 population: Total 7,897,241; Urban 5,809,650; Rural 2,087,591.

For a detailed discussion of the 6 principal geographic Regions of the State see: Review of Illinois Health Statistics No. 1, "Summary of Births, Deaths, and Communicable Diseases for Principal Areas of the State by Occurrence and Residence 1941-1944."

TABLE III. - DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE (5th Revision)	TOTAL*	AGE AT DEATH									IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over		
DEATHS, all ages—all causes	51,857	2,178	2,969	3,389	353	738	4,706	18,260	24,407	3,767	
SELECTED CAUSES OF DEATH	49,849	2,153	2,869	3,199	303	659	4,341	17,552	23,792	3,576	
Diseases of infancy, total	2,341	2,003	2,235	2,283	6	10	25	11	4	152	
Premature birth	1,101	1,088	1,101	1,101	xxx	xxx	xxx	xxx	xxx	67	
Maternal causes, total	74	xxx	xxx	xxx	--	18	56	--	xxx	3	
Puerperal septicemia	24	xxx	xxx	xxx	--	7	17	--	xxx	--	
Puerperal toxemia	18	xxx	xxx	xxx	--	4	14	--	xxx	--	
Communicable diseases, total	4,027	110	377	497	84	181	796	1,397	1,072	283	
Acute respiratory diseases, total	1,764	108	340	399	19	19	140	451	736	130	
Influenza	21	--	2	3	--	2	4	5	7	1	
Pneumonia	1,743	108	338	396	19	17	136	446	729	129	
Diphtheria	--	--	--	--	--	--	--	--	--	--	
Dysentery—all forms	13	--	--	--	1	--	5	6	1	--	
Encephalitis—infectious	10	--	--	--	--	--	1	6	3	--	
Measles	2	--	--	1	1	--	--	--	--	1	
Meningitis—meningococcus	31	--	6	17	--	--	7	6	1	1	
Pertussis (whooping cough)	18	--	15	17	--	--	1	--	--	--	
Poliomyelitis	79	--	1	5	27	20	24	3	--	10	
Rheumatic fever	21	--	--	1	6	3	6	4	1	2	
Scarlet fever	--	--	--	--	--	--	--	--	--	--	
Syphilis	289	1	1	1	--	1	27	180	80	51	
Tuberculosis—all forms	1,783	1	10	51	22	136	578	721	245	84	
Pulmonary tuberculosis	1,615	1	4	15	9	123	556	688	236	76	
Other communicable diseases	47	--	4	5	3	2	12	20	5	4	
Accidents—all forms, total	2,438	6	63	141	112	179	475	695	936	209	
Motor vehicle	750	--	2	24	39	162	195	211	179	85	
Home	971	6	58	166	26	24	94	178	441	77	
Occupational	177	xxx	xxx	xxx	1	12	59	84	21	18	
Public	640	--	3	9	46	41	127	222	195	29	
Arteriosclerosis	635	xxx	xxx	xxx	--	--	3	78	554	136	
Cancer	8,479	1	3	22	24	37	712	3,844	3,840	477	
Diabetes	1,738	--	1	2	3	15	57	708	953	114	
Diseases of digestive system, total	2,473	30	174	213	23	20	331	1,080	806	140	
Appendicitis	129	--	--	5	9	2	28	57	28	11	
Cirrhosis of the liver	870	--	5	9	1	4	164	459	233	31	
Diarrhea and enteritis	193	24	147	157	1	2	11	9	13	7	
Hernia and intestinal obstruction	345	2	9	11	6	2	30	117	179	26	
Ulcers of stomach or duodenum	427	2	6	8	--	2	43	212	162	32	
Goiter—exophthalmic	96	--	--	--	--	2	7	56	31	10	
Heart disease, total	20,437	2	6	16	33	88	1,176	7,390	11,731	1,577	
Coronary	4,847	--	1	1	--	11	340	2,413	2,081	334	
Chronic rheumatic	863	--	--	2	22	33	206	374	232	64	
Homicide	308	1	2	4	3	44	189	58	10	6	
Intracranial lesions of vascular origin	3,486	--	7	13	4	6	168	1,170	2,125	249	
Nephritis	2,540	--	1	8	6	34	201	772	1,519	168	
Prostatic disease	251	--	--	--	--	--	--	49	202	11	
Suicide	526	xxx	xxx	xxx	3	25	145	244	109	41	
ALL OTHER KNOWN CAUSES	1,967	24	98	186	50	73	355	693	609	183	
CAUSE AS YET UNASSIGNED	41	1	2	4	--	6	10	15	6	8	

* Age not reported for 4 deaths.

Chicago Metropolitan Area (Region I)--1949 population: Total 4,532,332; Urban 4,256,601; Rural 275,731.
Counties: Cook, Du Page, Kane, Lake and Will.

TABLE IV. - DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, 1949
(Does not include deaths of Illinois residents dying outside the State)

CAUSE (5th Revision)	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	9,679	377	502	603	104	137	628	2,392	5,812	4,442
SELECTED CAUSES OF DEATH	3,142	369	476	554	90	125	542	2,267	5,572	4,169
Diseases of infancy, total	423	354	395	409	5	2	5	2	--	193
Premature birth	157	154	157	157	--	--	--	--	--	62
Maternal causes, total	15	--	--	--	--	2	13	--	--	8
Puerperal septicemia	7	--	--	--	--	2	5	--	--	5
Puerperal toxemia	3	--	--	--	--	--	3	--	--	1
Communicable diseases, total	674	10	50	73	24	26	100	197	257	396
Acute respiratory diseases, total	303	10	45	57	11	4	29	45	156	168
Influenza	17	--	3	8	1	--	2	--	6	12
Pneumonia	296	10	42	49	10	4	27	43	150	156
Diphtheria	2	--	--	1	--	--	--	1	--	--
Dysentery—all forms	1	--	--	--	--	--	1	--	--	1
Encephalitis—infectious	3	--	--	--	--	--	1	2	--	3
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	4	--	1	1	1	--	--	1	1	3
Pertussis (whooping cough)	1	--	1	--	--	--	--	--	--	1
Poliomyelitis	24	--	--	3	7	6	8	--	--	14
Rheumatic fever	1	--	--	--	--	--	--	1	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	116	--	--	--	--	1	16	62	36	77
Tuberculosis—all forms	201	--	--	3	--	14	42	75	61	121
Pulmonary tuberculosis	190	--	--	--	--	15	41	76	58	116
Other communicable diseases	15	--	3	7	1	--	2	5	5	8
Accidents—all forms, total	589	--	3	27	35	60	34	109	274	304
Motor vehicle	186	--	--	6	18	44	45	43	29	98
Home	231	--	9	12	4	2	8	30	173	117
Occupational	39	--	--	--	--	5	13	12	8	19
Public	134	--	--	7	13	9	18	24	64	70
Arteriosclerosis	214	--	--	--	--	--	--	17	197	97
Cancer	1,362	--	1	3	2	8	101	475	773	555
Diabetes	315	--	--	1	--	2	14	36	242	128
Diseases of digestive system, total	399	5	21	33	13	8	32	140	173	150
Appendicitis	39	--	--	2	5	4	3	12	15	17
Cirrhosis of the liver	102	--	--	--	--	--	10	49	43	34
Diarrhea and enteritis	32	5	16	21	1	1	2	6	1	19
Hernia and intestinal obstruction	73	--	3	5	2	1	4	19	42	30
Ulcers of stomach or duodenum	66	--	--	--	1	--	6	28	31	24
Goiter—exophthalmic	22	--	--	--	--	1	3	9	9	12
Heart disease, total	3,640	--	--	3	2	4	118	874	2,635	1,700
Coronary	1,277	--	--	--	--	--	52	466	759	528
Chronic rheumatic	162	--	--	1	1	1	27	49	85	68
Homicide	9	--	--	--	--	1	5	2	1	1
Intracranial lesions of vascular origin	865	--	1	4	1	--	21	188	650	358
Nephritis	457	--	--	1	1	7	22	103	323	199
Prostatic disease	47	--	--	--	--	--	--	5	42	17
Suicide	111	--	--	--	1	4	24	46	36	51
ALL OTHER KNOWN CAUSES	528	8	25	47	23	12	85	124	237	267
CAUSE AS YET UNASSIGNED	9	--	1	2	1	--	1	2	3	7

* Age not reported for 2 deaths.

Northern Area (Region 2)--1940 population: Total 782,703; Urban 420,191; Rural 362,512.

Counties: Boone, Bureau, Carroll, De Kalb, Grundy, Henry, Jo Daviess, Kaneoka, Kendall, La Salle, Lee, McHenry, Ogle, Putnam, Rock Island, Stephenson, Whiteside, and Winnebago.

TABLE V. - DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA, 1949
(Does not include deaths of Illinois residents dying outside the State)

CAUSE (5th Revision)	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	2,361	127	161	177	23	31	177	573	1,381	916
SELECTED CAUSES OF DEATH	2,231	124	159	163	17	31	166	531	1,322	860
Diseases of infancy, total	129	118	123	124	--	1	2	1	1	46
Premature birth	62	62	62	62	XXX	XXX	XXX	XXX	XXX	25
Maternal causes, total	5	XXX	XXX	XXX	--	--	5	--	--	3
Puerperal septicemia	3	XXX	XXX	XXX	--	--	3	--	--	2
Puerperal toxemia	1	XXX	XXX	XXX	--	--	1	--	--	1
Communicable diseases, total	190	3	16	19	3	6	21	51	90	97
Acute respiratory diseases, total	99	3	14	16	--	2	6	14	61	51
Influenza	1	--	--	--	--	--	--	1	--	--
Pneumonia	98	3	14	16	--	2	6	13	61	51
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	1	--	--	--	--	--	--	1	--	1
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis—meningococcus	--	--	--	--	--	--	--	--	--	--
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--
Poliomyelitis	9	--	1	2	2	3	2	--	--	5
Rheumatic fever	1	--	--	--	1	--	--	--	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	28	--	--	--	--	--	2	16	10	16
Tuberculosis—all forms	50	--	--	--	--	1	11	20	18	24
Pulmonary tuberculosis	49	--	--	--	--	1	10	20	18	24
Other communicable diseases	2	--	1	1	--	--	--	--	1	--
Accidents—all forms, total	178	1	6	11	9	16	43	21	77	82
Motor vehicle	59	--	2	3	5	10	22	10	9	25
Home	80	1	4	8	2	2	7	8	53	47
Occupational	10	XXX	XXX	XXX	--	--	6	2	2	2
Public	29	--	--	--	2	4	8	1	13	8
Arteriosclerosis	87	XXX	XXX	XXX	--	--	--	4	83	74
Cancer	336	--	--	--	3	1	27	108	197	105
Diabetes	65	--	1	1	--	--	1	18	45	18
Diseases of digestive system, total	99	2	7	8	1	1	11	36	42	30
Appendicitis	8	--	--	1	--	--	3	2	2	4
Cirrhosis of the liver	30	1	1	1	1	--	2	17	9	9
Diarrhea and enteritis	5	1	4	4	--	--	--	--	1	1
Hernia and intestinal obstruction	13	--	1	1	--	1	--	2	9	2
Ulcers of stomach or duodenum	21	--	1	1	--	--	1	10	9	8
Goiter—exophthalmic	5	--	--	--	--	--	1	2	2	3
Heart disease, total	795	--	--	--	1	2	27	209	556	272
Coronary	287	--	--	--	--	--	9	107	171	100
Chronic rheumatic	73	--	--	--	1	1	7	28	36	17
Homicide	9	--	--	--	--	1	4	4	--	--
Intracranial lesions of vascular origin	165	--	--	--	--	1	5	33	126	70
Nephritis	126	--	--	--	--	1	9	29	87	45
Prostatic disease	8	--	--	--	--	--	--	1	7	2
Suicide	34	XXX	XXX	XXX	--	1	10	14	9	13
ALL OTHER KNOWN CAUSES	127	3	8	13	5	--	11	40	58	57
CAUSE AS YET UNASSIGNED	3	--	--	1	1	--	--	--	1	1

* Age not reported for 1 death.

Peoria Metropolitan Area (Region 3)--1940 population: Total 211,736; Urban 139,211; Rural 72,525.
Counties: Peoria and Tazewell.

TABLE VI. - DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, 1949
(Does not include deaths of Illinois residents dying outside the State)

CAUSE (5th Revision)	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	14,959	571	761	897	122	226	743	3,289	9,680	7,459
SELECTED CAUSES OF DEATH	14,167	561	730	836	109	202	663	3,070	9,286	7,047
Diseases of infancy, total	623	533	595	604	5	5	3	4	1	307
Premature birth	295	292	295	295	--	--	--	--	--	141
Maternal causes, total	22	--	--	--	--	5	17	--	--	12
Puerperal septicemia	6	--	--	--	--	2	4	--	--	5
Puerperal toxemia	9	--	--	--	--	2	7	--	--	3
Communicable diseases, total	759	17	78	111	28	30	80	176	334	361
Acute respiratory diseases, total	364	16	68	90	5	3	13	42	211	187
Influenza	14	--	1	2	--	--	1	2	9	11
Pneumonia	350	16	67	88	5	3	12	40	202	176
Diphtheria	1	--	1	1	--	--	--	--	--	1
Dysentery—all forms	1	--	--	--	--	--	--	--	1	1
Encephalitis—infectious	4	--	--	--	--	--	2	1	1	1
Measles	2	--	1	1	--	1	--	--	--	1
Meningitis—meningococcus	6	--	2	3	--	--	1	1	1	6
Pertussis (whooping cough)	1	--	1	1	--	--	--	--	--	1
Poliomyelitis	65	--	2	12	19	18	16	--	--	30
Rheumatic fever	4	--	--	--	2	--	1	--	1	3
Scarlet fever	2	--	--	--	2	--	--	--	--	1
Syphilis	97	1	1	1	--	1	1	54	40	39
Tuberculosis—all forms	196	--	1	1	--	7	42	74	72	83
Pulmonary tuberculosis	184	--	--	--	--	6	41	69	68	79
Other communicable diseases	16	--	1	1	--	--	4	4	7	7
Accidents—all forms, total	1,007	6	24	62	47	105	141	175	477	507
Motor vehicle	347	--	2	17	23	77	78	74	78	182
Home	399	3	16	27	14	3	17	28	310	174
Occupational	83	--	--	--	2	10	17	40	14	49
Public	178	3	6	18	8	15	29	33	75	102
Arteriosclerosis	240	--	--	--	--	--	1	11	228	131
Cancer	2,156	--	--	4	6	13	126	721	1,286	1,005
Diabetes	445	--	1	2	1	2	8	116	316	229
Diseases of digestive system, total	551	5	31	46	14	12	46	157	276	282
Appendicitis	41	1	1	2	6	3	4	12	14	25
Cirrhosis of the liver	129	--	--	2	--	1	12	49	65	47
Diarrhea and enteritis	42	4	24	27	3	2	1	5	4	23
Hernia and intestinal obstruction	128	--	2	5	3	1	8	32	79	72
Ulcers of stomach or duodenum	75	--	--	--	--	--	7	30	38	36
Goiter—exophthalmic	28	--	--	--	--	--	1	14	13	13
Heart disease, total	5,568	--	--	--	4	15	133	1,191	4,227	2,786
Coronary	1,926	--	--	--	--	3	64	646	1,213	947
Chronic rheumatic	254	--	--	--	3	1	26	66	158	135
Homicide	20	--	--	--	--	2	12	6	--	7
Intracranial lesions of vascular origin	1,515	--	1	3	1	2	25	276	1,208	751
Nephritis	938	--	--	4	3	8	30	134	759	505
Prostatic disease	105	--	--	--	--	--	--	7	98	60
Suicide	190	--	--	--	--	5	40	82	63	104
ALL OTHER KNOWN CAUSES	778	10	31	61	13	23	75	217	388	391
CAUSE AS YET UNASSIGNED	14	--	--	--	--	1	5	2	6	8

* Age not reported for 2 deaths.

Central Area (Region 4)--1940 population: Total 1,331,175; Urban 551,587; Rural 779,588. Counties: Adams, Brown, Calhoun, Cass, Champaign, Christian, Clark, Coles, Cumberland, De Witt, Douglas, Edgar, Ford, Fulton, Greene, Hancock, Henderson, Iroquois, Jersey, Knox, Livingston, Logan, McDonough, McLean, Macon, Macoupin, Marshall, Mason, Menard, Mercer, Montgomery, Morgan, Moultrie, Piatt, Pike, Sangamon, Schuyler, Scott, Shelby, Stark, Vermilion, Warren, and Woodford.

TABLE VII. - DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE (5th Revision)	TOTAL	AGE AT DEATH									IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over		
DEATHS, all ages—all causes	3,385	172	213	246	25	58	243	914	1,899	1,270	
SELECTED CAUSES OF DEATH	3,213	169	203	234	22	50	221	864	1,822	1,213	
Diseases of infancy, total	173	158	169	172	--	--	--	1	--	62	
Premature birth	86	85	86	86	xxx	xxx	xxx	xxx	xxx	36	
Maternal causes, total	5	xxx	xxx	xxx	--	--	4	1	xxx	2	
Puerperal septicemia	2	xxx	xxx	xxx	--	--	2	--	xxx	--	
Puerperal toxemia	1	xxx	xxx	xxx	--	--	1	--	xxx	1	
Communicable diseases, total	209	6	14	21	2	10	30	63	83	62	
Acute respiratory diseases, total	92	6	14	19	1	2	6	18	46	36	
Influenza	6	--	--	--	--	--	1	1	4	1	
Pneumonia	86	6	14	19	1	2	5	17	42	35	
Diphtheria	--	--	--	--	--	--	--	--	--	--	
Dysentery—all forms	1	--	--	--	--	--	--	1	--	--	
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--	
Measles	--	--	--	--	--	--	--	--	--	--	
Meningitis—meningococcus	1	--	--	1	--	--	--	--	--	1	
Pertussis (whooping cough)	--	--	--	--	--	--	--	--	--	--	
Polio myelitis	8	--	--	--	1	3	3	1	--	1	
Rheumatic fever	2	--	--	1	--	1	--	--	--	--	
Scarlet fever	--	--	--	--	--	--	--	--	--	--	
Syphilis	32	--	--	--	--	--	5	13	14	19	
Tuberculosis—all forms	73	--	--	--	--	4	16	30	23	25	
Pulmonary tuberculosis	71	--	--	--	--	4	15	29	23	25	
Other communicable diseases	--	--	--	--	--	--	--	--	--	--	
Accidents—all forms, total	252	1	7	18	13	22	42	65	92	107	
Motor vehicle	85	--	--	1	4	15	24	27	14	30	
Home	98	1	7	17	--	1	5	13	62	45	
Occupational	25	xxx	xxx	xxx	--	3	--	12	3	12	
Public	44	--	--	--	9	3	6	13	13	20	
Arteriosclerosis	65	xxx	xxx	xxx	--	--	--	9	56	39	
Cancer	430	--	--	2	2	1	25	161	239	161	
Diabetes	107	--	--	--	--	2	2	27	76	32	
Diseases of digestive system, total	133	4	13	17	3	--	19	40	54	49	
Appendicitis	6	--	--	2	1	--	--	3	--	3	
Cirrhosis of the liver	44	1	1	1	--	--	9	14	20	12	
Diarrhea and enteritis	13	2	7	8	1	--	2	--	2	6	
Hernia and intestinal obstruction	22	1	4	4	--	--	5	5	8	10	
Ulcers of stomach or duodenum	19	--	--	--	--	--	1	10	8	9	
Goiter—exophthalmic	4	--	--	--	--	--	--	1	3	2	
Heart disease, total	1,253	--	--	--	2	8	50	354	839	471	
Coronary	290	--	--	--	--	--	21	140	129	91	
Chronic rheumatic	50	--	--	--	--	6	10	17	17	9	
Homicide	25	--	--	3	--	5	10	7	--	7	
Intracranial lesions of vascular origin	308	--	--	--	--	1	14	71	222	111	
Nephritis	193	--	--	1	--	1	12	45	134	71	
Prostatic disease	22	--	--	--	--	--	--	4	18	7	
Suicide	34	xxx	xxx	xxx	--	--	15	15	6	10	
ALL OTHER KNOWN CAUSES	160	3	10	11	3	6	19	46	75	53	
CAUSE AS YET UNASSIGNED	12	--	--	1	--	2	3	4	2	4	

East St. Louis Metropolitan Area (Region 5)--1940 population: Total 316,248; Urban 213,175; Rural 103,073.
 Counties: Madison and St. Clair.

TABLE VIII. - DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, 1949

(Does not include deaths of Illinois residents dying outside the State)

CAUSE (5th Revision)	TOTAL*	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	7,074	294	401	472	83	127	424	1,588	4,378	4,396
SELECTED CAUSES OF DEATH	6,705	290	391	450	78	116	394	1,510	4,155	4,163
Diseases of infancy, total	282	260	278	279	--	--	1	2	--	164
Premature birth	136	134	136	136	xxx	xxx	xxx	xxx	xxx	76
Maternal causes, total	20	xxx	xxx	xxx	--	6	14	--	xxx	14
Puerperal septicemia	4	xxx	xxx	xxx	--	2	2	--	xxx	1
Puerperal toxemia	6	xxx	xxx	xxx	--	2	4	--	xxx	5
Communicable diseases, total	473	14	60	81	30	17	53	105	187	320
Acute respiratory diseases, total	197	13	48	55	5	2	11	24	100	127
Influenza	18	--	1	2	--	--	1	3	12	12
Pneumonia	179	13	47	53	5	2	10	21	88	115
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	3	--	1	1	--	--	--	1	1	2
Encephalitis—infectious	2	--	1	1	--	--	1	--	--	2
Measles	3	--	1	2	--	--	--	1	--	2
Meningitis—meningococcus	7	--	1	4	1	1	--	--	1	7
Pertussis (whooping cough)	5	--	3	5	--	--	--	--	--	3
Poliomyelitis	42	--	1	7	21	5	8	1	--	32
Rheumatic fever	4	--	--	--	1	1	--	1	1	4
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	48	--	--	--	--	--	7	23	18	34
Tuberculosis—all forms	148	1	2	4	1	6	25	51	61	97
Pulmonary tuberculosis	135	1	1	1	--	4	24	50	56	91
Other communicable diseases	14	--	2	2	1	2	1	3	5	10
Accidents—all forms, total	511	10	22	43	30	67	96	103	170	305
Motor vehicle	160	--	1	9	12	38	38	38	25	99
Home	118	1	9	16	3	2	8	10	79	72
Occupational	50	xxx	xxx	xxx	--	2	25	19	4	27
Public	183	9	12	18	15	25	25	36	62	107
Arteriosclerosis	249	xxx	xxx	xxx	--	--	--	24	225	211
Cancer	900	--	--	3	7	2	53	279	556	529
Diabetes	179	--	--	1	2	1	5	53	117	111
Diseases of digestive system, total	253	5	29	41	4	4	21	62	121	160
Appendicitis	23	--	--	2	--	1	7	4	9	15
Cirrhosis of the liver	42	--	--	--	--	--	2	16	24	27
Diarrhea and enteritis	42	5	26	31	1	--	1	1	8	27
Hernia and intestinal obstruction	46	--	2	3	1	--	4	10	28	33
Ulcers of stomach or duodenum	40	--	--	--	1	--	5	16	18	21
Goiter—exophthalmic	6	--	--	--	--	--	1	4	1	4
Heart disease, total	2,513	1	2	2	2	8	84	582	1,895	1,520
Coronary	771	--	--	--	--	1	28	297	445	445
Chronic rheumatic	121	--	--	--	1	5	16	30	69	74
Homicide	22	--	--	--	--	3	8	9	2	6
Intracranial lesions of vascular origin	677	--	--	--	1	1	12	158	505	438
Nephritis	501	--	--	--	2	3	19	95	382	316
Prostatic disease	44	--	--	--	--	--	--	3	41	25
Suicide	75	xxx	xxx	xxx	--	4	27	31	13	46
ALL OTHER KNOWN CAUSES	363	4	10	21	5	9	30	76	222	229
CAUSE AS YET UNASSIGNED	6	--	--	1	--	2	--	2	1	6

* Age not reported for 2 deaths.

Southern Area (Region 6)—1940 population: Total 723,047; Urban 228,885; Rural 494,162.

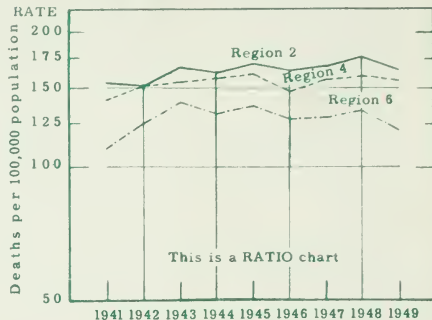
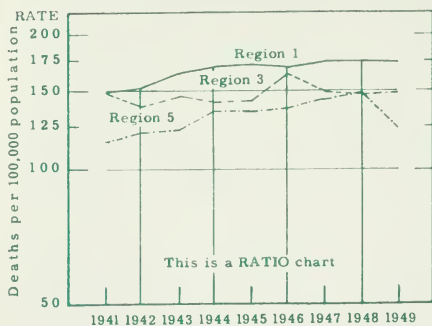
Counties: Alexander, Bond, Clay, Clinton, Crawford, Edwards, Effingham, Fayette, Franklin, Gallatin, Hamilton, Hardin, Jackson, Jasper, Jefferson, Johnson, Lawrence, Marion, Massac, Monroe, Perry, Pope, Pulaski, Randolph, Richland, Saline, Union, Wabash, Washington, Wayne, White, and Williamson.

REGION MORTALITY continued

available, it will not be possible to measure the "true" difference in cancer and other mortality for the various regions of the State. The varia-

tion in the composition of the population in each region (age, race, number of foreign born etc.) could very easily account for much, if not all, of the differences shown in the graphs in this publication.

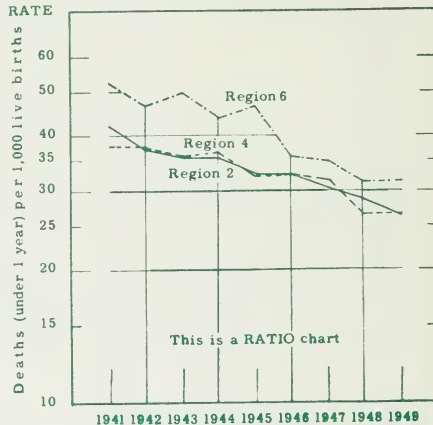
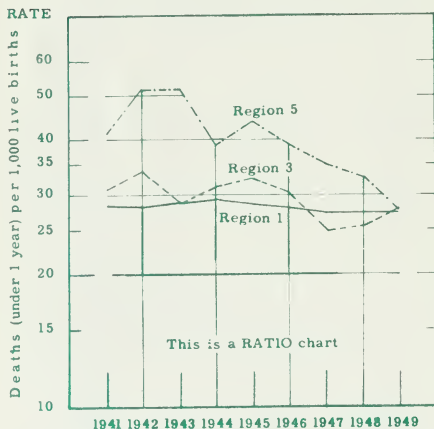
CANCER MORTALITY BY REGION OF RESIDENCE: ILLINOIS, 1941-1949



The outstanding feature of the graph of infant mortality in each region is the more rapid decline of the mortality experience for the southern part of the State (Regions 5 and 6) as compared to the rest of the State. Region 6 (South-

ern Area) still has a relatively high infant mortality rate. However, the large differences between the southern part of Illinois and the rest of the State that existed in the early 1940's is no longer present in 1949.

INFANT MORTALITY BY REGION OF RESIDENCE: ILLINOIS, 1941-1949



Health Statistics
BULLETIN

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
SPRINGFIELD, ILLINOIS
Return postage guaranteed

614.1
 IL66
 Cop. 3

Health Statistics

BULLETIN

THE LIBRARY OF THE
 MAY 31 1952
 UNIVERSITY OF ILLINOIS
 November 1, 1951

1950 Series, Nos. 1 - 4

Springfield, Illinois

November 1, 1951

THE PEOPLE AND THEIR HEALTH IN 1950

All the usual measurements of the people's health in 1950 showed a continuance of the basic good health that has characterized the past decade. While we know that the general picture has been good we are only now coming to the point where we can evaluate how much or how little progress this represents. This inability to evaluate arises from the fact that, while we know who have been dying and something about those who have been sick from the notifiable diseases, we have known almost nothing about the characteristics of the living. We have had only uncertain estimates of how many people there are in the State as a whole. We have known next to nothing about their ages and the composition of the communities in which they live. The decennial census of population taken on April 1, 1950, will fill that gap in our knowledge. As yet, only preliminary information from the census enumeration is available, but what there is shows the profound changes that have taken place since 1940.

The most apparent change has been the shift of population to the metropolitan areas. The greatest increase has taken place in the mushrooming large city suburbs. At the same time, rural areas have for the most part been losing population and at best have just maintained their 1940 population. A more subtle change has been going on at the same time. This concerns the characteristics of the population, particularly with respect to age. Table 1 shows what changes there have been since 1940 in the composition of our population.

We have just begun to notice a diminution in the number of people entering the labor force taking place in spite of large increases in total population. This is the result of the small "crops" of babies during the late 'twenties and throughout the 'thirties. This condition will persist for about ten more years until the children born in the 'forties begin to attain maturity. This situation places us under a strong challenge to protect the young labor force against death, injury, and disabling disease as never before.

One out of every four persons was in the age bracket ten to twenty four years old in 1940 but in 1950 only one in five is in that bracket. On the other hand, 14 per cent of the population in 1940 were under ten, but in 1950 these youngsters make up over 17 per cent of all our people.

Table 1. -- POPULATION BY AGE AND SEX: ILLINOIS, 1940 AND 1950

Sex-Age	POPULATION		PERCENT CHANGE	PERCENT OF TOTAL POP.	
	1950	1940		1950	1940
TOTAL	8,712,000	7,897,241	10.3	100.0	100.0
Under 5 years	863,000	546,962	57.8	9.9	6.9
5 - 9	653,000	542,759	20.3	7.5	6.9
10 - 14	572,000	618,280	-7.5	6.6	7.8
15 - 24	1,172,000	1,360,838	-13.9	13.5	17.2
25 - 34	1,459,000	1,326,732	10.0	16.7	16.8
35 - 44	1,285,000	1,192,702	7.7	14.7	15.1
45 - 64	1,957,000	1,741,005	12.4	22.5	22.1
65 and over	751,000	567,963	32.2	8.6	7.2
MALE	4,256,000	3,957,149	7.6	100.0	100.0
Under 5 years	424,000	278,293	52.7	10.0	7.0
5 - 9	345,000	276,962	24.9	8.1	7.0
10 - 14	294,000	313,031	-6.1	6.9	7.9
15 - 24	577,000	673,642	-14.5	13.6	17.0
25 - 34	715,000	647,566	10.4	16.8	16.4
35 - 44	605,000	595,384	1.6	14.2	15.1
45 - 64	950,000	898,737	5.7	22.3	22.7
65 and over	346,000	273,534	26.5	8.1	6.9
FEMALE	4,456,000	3,940,092	13.1	100.0	100.0
Under 5 years	439,000	268,669	63.4	9.8	6.8
5 - 9	308,000	265,797	15.9	6.9	6.7
10 - 14	278,000	305,249	-8.9	6.2	7.8
15 - 24	595,000	687,196	-13.4	13.4	17.4
25 - 34	744,000	679,166	9.5	16.7	17.2
35 - 44	680,000	597,318	13.8	15.3	15.2
45 - 64	1,007,000	842,268	19.6	22.6	21.4
65 and over	405,000	294,429	37.6	9.1	7.5

This situation makes the recent history of our birth rates particularly significant. Chart A shows the general picture of how births occurred over the past eleven years. To give a clue as to the influential factors in our changing birth rates, specific rates are used in Charts B, C, and D. Specific birth rates for broad age groups have

STATE OF ILLINOIS

AOLAI E. STEVENSON
GOVERNOR

DEPARTMENT OF PUBLIC HEALTH

ROLAND R. CROSS, M.D.
DIRECTOR*Health Statistics*
BULLETIN

RELEASED FOR THE USE OF PROFESSIONAL WORKERS IN HEALTH

ADDRESS MAIL FOR THE HEALTH STATISTICS BULLETIN TO
O. K. SAGEN, PH.D., CHIEF
BUREAU OF STATISTICS

been computed by dividing the total resident births born to mothers in a specific age range by the total number of females of the same age in the population. Chart D pictures the difference between the age specific 1940 rates and the average of 1949-1950 rates, for three age groups. The large increase in the specific rate for mothers aged fifteen to twenty-four has tended to keep the percentage distribution of births, as

classified by the age of the mother, fairly stable, even though the number of females in this younger age group has actually decreased.

Some changes between 1940 and 1949 are noticeable in the percentage distribution of the birth order. Actually, two divergent trends are at work, in that the percentage of first children is generally lower in 1949 than in 1940; however, second and third order percentages for all age

Table 2. -- PERCENT OF BIRTHS, BY AGE OF MOTHERS:
ILLINOIS, 1940, 1949, AND 1950(Based on total resident births to mothers aged 15-44. Age classified two ways:
by 5 year groups, and by 10 year groups)

YEAR	AGE OF MOTHER					
	15-19	20-24	25-29	30-34	35-39	40-44
1940	9.8	30.9	30.1	18.3	8.5	2.3
1949	9.6	32.4	30.2	17.6	8.2	1.9
1950	9.3	31.7	30.5	18.2	8.4	1.9
	15 - 24		25 - 34		35 - 44	
1940	40.7		48.4		10.8	
1949	42.0		47.8		10.1	
1950	41.0		48.7		10.3	

groups, and fourth order for the older age groups, have all increased over 1940. The percentage occurrence of fifth or higher order children has decreased during the past ten years for all age

CHART A
LIVE BIRTHS OCCURRING EACH MONTH AND EACH YEAR
1940 - 1950

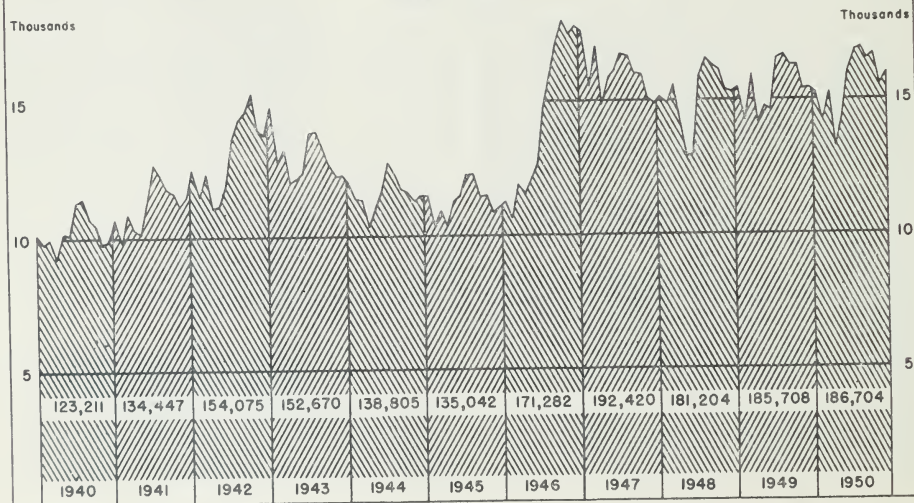
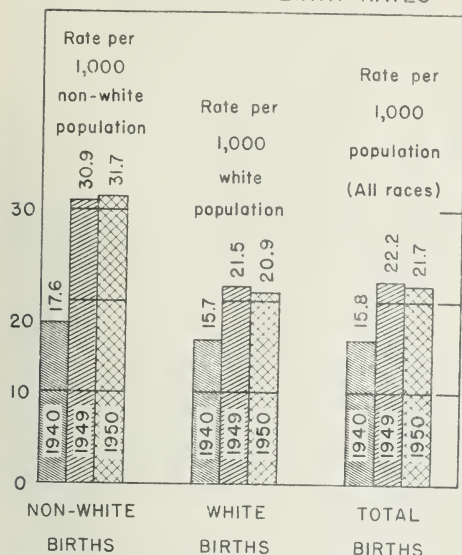


CHART B
RESIDENT LIVE BIRTH RATES

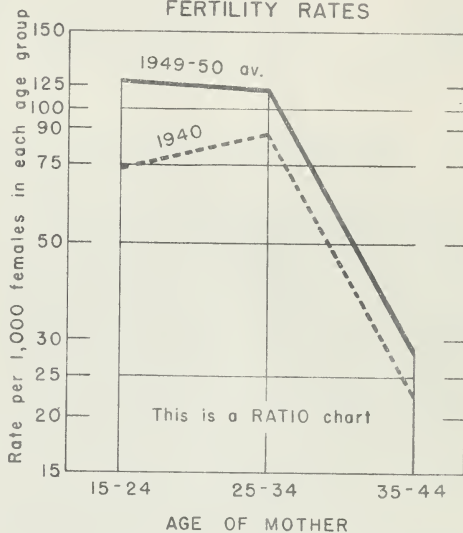


groups. These changes are indicated in Table 3. Families are more likely to have two to four children at the present time, rather than only one child as during the depression years, or six to ten children, as was once both fashionable and economically feasible.

A highly significant fact is that the average age of our population has been on the increase. In 1940, half of Illinois' population was under 31.6 years old, while in 1950 half of our people are over 32.5 years. This is almost entirely due to the increasing life span, because the percentage of persons 25 years and over in the total

population did not significantly change between 1940 and 1950. (In 1940, 61.2 per cent of the population was aged 25 years or more, in 1950, 67.5 per cent. The principal increase in our mature population has come at ages 65 and over. See Table 1). The number of those over 65 in 1950 stands 32.2 per cent above the 1940 figure while the gain in total population was only 10.3 per cent.

CHART D
FERTILITY RATES



An interesting change which is taking place is the increase in females over males. In 1940 there were 100.4 males for every 100 females, while in 1950 there are only 95.5 males per 100 females.

CHART C
FERTILITY RATES

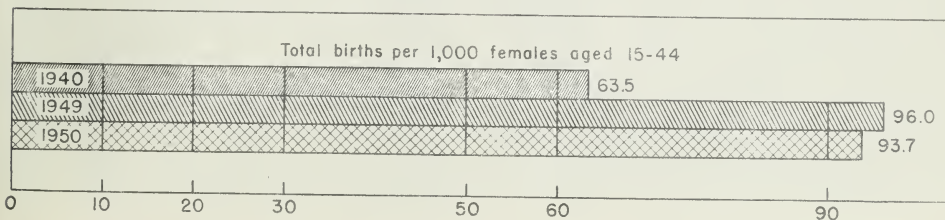


Table 3. -- PERCENT DISTRIBUTION OF RESIDENT BIRTHS BY ORDER OF BIRTH: ILLINOIS, 1940 AND 1949

(Computed using births to mothers aged 15-44 only)

Order of birth	AGE OF MOTHER													
	All Ages		15 - 19		20 - 24		25 - 29		30 - 34		35 - 39		40 - 44	
	1949	1940	1949	1940	1949	1940	1949	1940	1949	1940	1949	1940	1949	1940
First	38.6	42.1	79.1	78.1	52.1	54.5	30.4	38.8	19.7	24.3	15.5	13.8	12.4	7.3
Second	32.7	27.6	18.4	18.5	34.1	29.4	38.9	31.4	32.4	29.3	24.9	19.0	18.6	9.1
Third	15.5	13.1	2.4	2.9	10.2	10.9	18.6	15.1	23.8	17.9	22.2	16.4	16.5	12.0
Fourth	6.6	6.8	0.1	0.4	2.8	3.7	7.1	7.4	11.9	10.7	14.7	13.5	13.4	12.0
Fifth	3.0	3.8	0.0	0.1	0.7	1.1	3.0	4.0	5.6	6.4	8.2	9.6	10.6	10.9
Sixth	1.5	2.4	-0-	-0-	0.1	0.3	1.3	2.0	3.1	4.6	5.0	7.6	7.4	8.6
Seventh	0.9	1.5	-0-	-0-	0.0	0.1	0.5	0.8	1.7	3.0	3.6	6.1	5.6	8.3
Eighth	0.5	1.0	-0-	-0-	0.0	0.0	0.2	0.3	1.0	1.9	2.3	5.0	4.7	7.1
Ninth	0.3	0.7	-0-	-0-	0.0	-0-	0.0	0.1	0.5	1.1	1.5	3.7	3.6	7.6
Tenth or later	0.4	1.0	-0-	-0-	0.0	-0-	0.0	0.1	0.3	0.8	2.1	5.3	7.2	17.1

-0- No frequency.

-0- No frequency.

THE MORTALITY PICTURE

Despite the greater number of old people in 1950, the general (crude) death rate was lower than in 1940. The crude rate in 1940 was 11.3 deaths per thousand population; in 1949 it was 10.9 and in 1950, 10.6. These crude rates fail to offer an effective means of comparing the force of mortality when the composition of the general population is changing. To compensate for the differences in age composition it is necessary to calculate age-adjusted rates such as those presented in Table 4. Here we see that in

have improved at every age considerably more for women than for men. (The unwary reader, however, must be cautioned against interpreting these facts as evidence that we are tending toward immortality. Postponing death even only a year or two for the people in each age group is enough to cause the rates to fall off in this fashion, but as people become extremely old further postponement becomes nil).

Table 5. -- AGE SPECIFIC AND SEX-AGE SPECIFIC MORTALITY RATES: ILLINOIS, 1940, 1949, AND 1950

(Per 100,000 in the group)

Table 4. -- RESIDENT MORTALITY RATES: ILLINOIS, 1940, 1949, AND 1950

Sex	RATE PER 1,000			AGE ADJUSTED RATE*		
	1950	1949	1940	1950	1949	1940
Both sexes	10.6	10.9	11.2	8.9	9.2	10.8
Male	12.3	12.7	12.6	10.8	11.3	12.1
Female	8.9	9.1	9.3	7.2	7.4	9.4

* Direct method using 1940 U. S. population

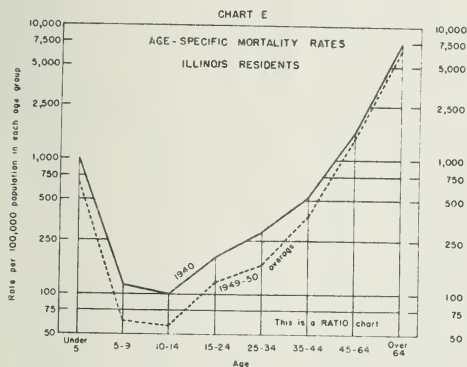
dropping from 10.8 to 8.9 in the age-adjusted rate, the general risk of death was almost 17 per cent less in 1950 than in 1940. Besides being less likely today, the women showed the greatest relative decrease (23 per cent). The risk for men dropped off only 11 per cent.

The risk of death in 1950 was less than in 1940 for every one of the major age groups and for each sex, as can be seen in Table 5. The table also demonstrates that male mortality is greater in every age group than female mortality. Closer examination will also show that in the past ten years, the chances of longer life

Age-Sex	AVERAGE 1949-1950	1950	1949	1940
Under 5, total	683	656	711	985
Male	794	770	818	1,110
Female	575	544	607	856
5 - 9 years, total	63	62	64	114
Male	71	73	69	135
Female	53	49	58	93
10 - 14 years, total	58	52	63	100
Male	72	61	82	114
Female	43	43	42	85
15 - 24 years, total	122	118	127	185
Male	159	155	164	214
Female	87	81	92	156
25 - 34 years, total	165	160	170	287
Male	193	186	203	317
Female	138	136	140	259
35 - 44 years, total	379	365	394	522
Male	483	465	502	606
Female	287	276	297	438
45 - 64 years, total	1,447	1,423	1,470	1,587
Male	1,897	1,858	1,936	1,883
Female	1,023	1,013	1,033	1,270
65 years and over, total	6,622	6,574	6,669	7,460
Male	7,566	7,515	7,617	8,097
Female	5,816	5,771	5,861	6,869

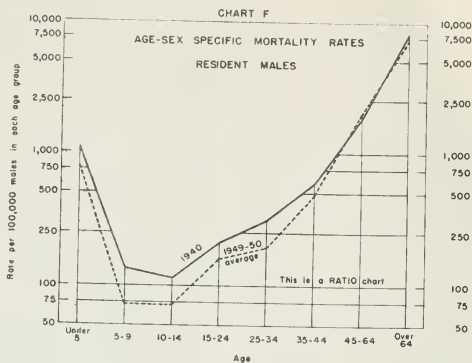
Year by year, we have noted a diminution in mortality from the communicable diseases. Striking reductions are evident over a period as short as ten years. In 1940 there were 1,014 deaths from syphilis, but only 558 reported in 1950. There were 3,654 tuberculosis deaths in 1940 as opposed to 2,215 such deaths in 1950. These reductions are more significant when it is realized that the total population at risk has increased approximately ten per cent, and the number of older people who are subject to the greatest risk of death has increased even more. These great achievements are, in large measure, the fruit of the intensive public health effort, coupled with the success of medical science in finding improved methods of fighting disease after its onset. Antibiotics and preventive methods are jointly responsible for this success story.

The story is much the same for all the controllable communicable diseases, even though



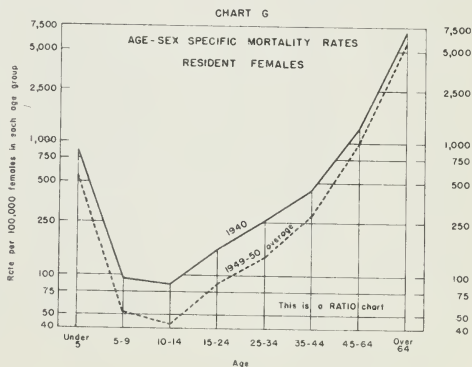
the numbers are not as large. For twelve successive years there has not been a single death from smallpox and for three successive years not a single case. In 1940 there were 86 diphtheria deaths, in 1950 only one. Whooping cough in 1940 claimed 65 lives, as opposed to 22 in 1950. However, there is no cause for complacency even with such success, because the gains can be preserved only by remaining vigilant and taking every precaution. At the same time, a single death from a preventable disease is a serious reproach.

Infant and maternal mortality have long been a primary concern in public health efforts. Here also, steady progress is to be noted. In 1940 there were 352 infant deaths out of every 10,000 live births, while in 1950 there were but 256, a 27 per cent drop. Most of this gain was among babies over one month old, because neonatal deaths per 10,000 births were just 21 per



cent lower in 1950 than in 1940. There were 29 maternal deaths in 1940 for every 10,000 live births, while in 1950 the figure was a mere 7. If 1940 maternal mortality rates had applied in 1950, there would have been 550 maternal deaths instead of the actual 131 reported. Again, we see the fruits of the coordinated efforts of the medical profession, the hospitals, and public health programs--all making good use of recent advances in knowledge on how to control fatal illness by disease prevention as well as treatment.

The principal causes of death in 1950 are the same ones that took the greatest toll in 1940. The five leading causes -- heart disease, cancer, intracranial lesions of vascular origin, accidents, and nephritis -- accounted for 73 per cent of all deaths in 1950 and 67 per cent in 1940. Fatal accidents are fewer than in 1940 and as a result they are now fifth instead of fourth in the list of most frequent causes of death.



BASIC HEALTH STATISTICS: ILLINOIS RESIDENTS, 1949-1950

Table 1. -- NUMBER OF BIRTHS, DEATHS, AND REPORTED CASES

(Cases are those reported to Illinois health officers.)

	International list number 5th revision 1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950*
LIVE BIRTHS		124,615	134,739	154,223	153,182	139,781	136,676	174,202	195,328	184,553	189,169	189,596
DEATHS - ALL CAUSES		88,280	86,012	87,040	91,257	87,632	89,306	89,150	93,507	91,254	92,521	92,215
MATERNAL AND INFANT DEATHS												
Maternal causes	140 - 150	359	342	296	311	253	249	238	205	146	148	131
Neonatal causes	All causes	2,978	3,163	3,613	3,493	3,081	2,993	4,006	4,250	3,789	3,834	3,596
Infant deaths	All causes	4,355	4,533	5,114	5,108	4,565	4,340	5,281	5,667	5,112	5,195	4,850
Premature birth	159	1,514	1,532	1,806	1,697	1,325	1,367	1,984	2,000	1,950	1,890	1,710
Diarrhea and enteritis (Under 2 yrs.)	119	199	259	322	268	199	211	190	182	170	246	164
EXTERNAL CAUSES												
Accidents - all forms	169 - 195	5,788	6,112	5,291	5,125	5,107	5,250	5,595	6,022	5,784	5,442	5,390
Motor vehicle accidents	170	2,259	2,544	1,635	1,274	1,317	1,505	1,872	2,011	1,946	1,817	2,028
Homicide	165 - 168	365	349	296	305	355	355	473	421	482	414	406
Suicide	163 - 164	1,142	1,044	957	831	759	858	943	949	891	1,007	1,013
GENERAL CAUSES												
Appendicitis	121	826	717	549	517	519	406	356	313	270	259	241
Arteriosclerosis	47	1,372	1,283	1,295	1,523	1,537	1,633	1,546	1,447	1,403	1,523	1,551
Cancer	15 - 17	11,147	11,396	11,650	11,959	12,328	12,652	12,820	13,500	13,863	14,137	14,423
Cerebral hemorrhage†	83	6,785	6,644	6,793	7,211	6,799	7,267	7,131	7,538	7,260	7,260	7,643
Cirrhosis of the liver	124	669	653	908	801	875	897	997	1,163	1,210	1,254	1,332
Diabetes mellitus	120	2,636	2,307	2,460	2,590	2,621	2,710	2,573	2,786	2,794	2,915	3,140
Diarrhea and enteritis (2 yrs. & over)	120	226	(#)	134	139	126	96	95	104	7	94	86
Diseases of infancy, total	157 - 161	3,090	3,303	3,725	3,634	3,351	3,217	4,236	4,094	4,123	4,113	3,936
Gout	63b	286	(#)	250	231	222	226	203	179	162	166	157
Heart disease	90 - 95	27,722	27,228	29,265	31,481	30,734	31,927	31,673	34,504	34,176	35,173	35,221
Hernia and intestinal obstruction	122	764	815	800	851	754	760	722	665	659	554	584
Nephritis	130 - 132	7,264	6,847	6,558	6,876	6,138	6,153	5,623	5,305	5,135	4,900	4,715
Prostatic disease	137	609	558	579	636	651	565	590	579	537	473	473
Stomach, duodenal ulcers	117	569	657	579	615	614	605	540	616	639	674	688
COMMUNICABLE DISEASES												
Chickenpox	Deaths	38e	3	6	6	3	6	3	6	3	5	7
	Cases	18,053	16,167	13,618	12,648	16,486	10,517	11,717	14,272	15,925	16,294	13,293
Diphtheria	Deaths	10	87	59	63	21	15	32	12	4	1	1
	Cases	936	940	815	587	315	194	469	169	87	50	50
Dysentery	Deaths	27	48	43	52	30	36	25	24	16	24	22
	Cases†	202	256	453	152	204	324	236	325	502	617	781
Encephalitis	Deaths	37	27	27	22	29	45	23	24	20	21	23
	Cases	110	71	83	83	78	68	57	60	81	59	50
Influenza	Deaths	33	645	512	377	650	535	300	242	245	138	109
	Cases	1,124	1,402	608	2,096	1,439	1,018	345	1,125	1,172	31	423
Malaria	Deaths	28	109	127	92	122	23	6	37	11	6	3
	Cases	1	88	36	53	84	10	50	8	83	7	8
Mumps	Deaths	35	1	88	36	53	84	10	50	8	83	7
	Cases	8,656	57,075	10,060	29,694	19,451	7,930	25,995	8,341	41,901	5,820	19,213
Meningitis (Meningococcus)	Deaths	6	14	17	30	161	194	134	75	46	54	49
	Cases	50	69	90	793	996	611	363	204	214	200	223
Mumps	Deaths	44c	4	2	6	3	4	2	1	--	2	1
	Cases	6,409	13,063	7,388	7,108	6,268	7,205	5,290	6,492	11,749	8,542	6,978
Paratyphoid	Deaths	2	3	2	--	1	2	1	1	1	3	--
	Cases	19	14	11	13	9	9	10	6	10	2	5
Pneumonia, all forms	Deaths	107 - 109	3,755	3,227	3,199	2,772	2,931	2,836	3,076	2,622	2,811	2,545
	Cases	14,592	12,420	11,359	11,419	8,567	6,813	6,287	4,754	5,070	4,966	3,859
Poliomyelitis	Deaths	36	54	22	35	156	38	104	182	28	68	129
	Cases	561	374	487	1,576	560	1,104	2,554	860	1,104	2,910	1,941
Rabies	Deaths	38b	1	1	1	2	2	2	1	--	2	--
	Cases	1	1	1	1	2	3	9	1	--	2	--
Rheumat fever (acute)	Deaths	8	113	107	81	78	70	72	60	49	43	34
	Cases	(#)	(#)	(#)	(#)	399	275	320	186	157	322	187
Rocky Mt. spotted fever	Deaths	39c	4	5	2	13	18	41	31	17	15	12
	Cases	19	25	19	12	13	18	41	31	17	15	12
Scarlet fever	Deaths	6	42	34	21	24	24	8	1	--	2	--
	Cases	20,614	11,583	7,754	6,989	11,731	10,521	6,397	4,063	4,512	3,991	2,086
Smallpox	Deaths	6	--	--	--	--	--	--	--	--	--	--
	Cases	167	102	60	68	12	12	6	2	--	--	--
Tetanus	Deaths	12	24	29	31	21	16	12	8	9	11	8
	Cases	42	32	38	44	30	32	37	30	20	37	21
Tuberculosis, all forms	Deaths	13 - 22	3,693	3,535	3,295	3,326	3,197	3,159	3,020	2,845	2,657	2,518
	Cases	8,574	9,412	9,415	8,740	7,967	6,305	6,587	7,772	6,962	7,956	7,630
Typhoid fever	Deaths	26a	22	22	10	10	10	10	98	124	57	75
	Cases	272	106	67	55	91	131	98	124	57	75	78
Typhoid fever	Deaths	1	33	25	17	10	12	9	9	10	4	1
	Cases	310	280	233	121	102	87	106	139	93	101	63
Undulant fever	Deaths	5	5	10	7	6	5	4	2	5	6	5
	Cases	155	217	265	306	322	342	342	478	554	513	514
Whooping cough	Deaths	9	155	93	94	43	56	30	44	28	27	22
	Cases	6,411	7,707	11,759	7,459	3,194	4,106	5,431	4,995	2,202	3,936	3,339
VENEREAL DISEASES												
Gonococcus infection	Deaths	25	16	13	11	4	8	5	6	4	6	2
	Cases†	17,281	19,249	20,606	21,580	22,580	27,117	37,956	32,794	28,725	25,080	21,937
Syphilis	Deaths	30	1,023	947	846	855	796	758	682	614	631	558
	Cases‡	21,979	23,484	28,678	28,680	25,165	21,675	23,701	19,360	17,005	13,904	11,264

* 1950 figures are provisional.

† Intracranial lesions of vascular origin.

‡ Amebiasis carriers included in the dysentery group, 1945 - 1950.

§ The regulation requiring the reporting of rheumatic fever, in downstate Illinois only, went into effect July 1, 1943.

¶ Not available.

‡ Includes Out-of-State cases reported by downstate agencies.

BASIC HEALTH STATISTICS: ILLINOIS RESIDENTS, 1949-1950

Table II. -- NATALITY, MORBIDITY, AND MORTALITY RATES

(Based on births and deaths of Illinois residents, and cases reported to Illinois health officers. The birth rate and rate for mortality all causes are per 1,000 population. Maternal and infant causes, except diarrhea and enteritis, are per 1,000 live births. All other rates are per 100,000 population. Population estimated for each year as of July 1.)

	International list number 5th revision 1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950*
LIVE BIRTHS		15.8	17.0	19.5	20.2	18.3	17.7	22.2	24.2	22.3	22.2	21.7
DEATHS - ALL CAUSES		11.2	10.8	11.0	12.0	11.5	11.6	11.4	11.6	11.0	10.9	10.6
MATERNAL AND INFANT CAUSES												
Maternal causes	140 - 150	2.9	2.5	1.9	2.0	1.8	1.8	1.4	1.0	0.8	0.8	0.7
Neonatal mortality	All causes	23.9	23.6	23.4	22.4	22.0	21.8	23.0	21.8	20.5	20.2	19.0
Infant mortality	All causes	34.7	34.4	33.2	33.3	32.7	31.8	30.3	29.0	27.7	27.4	25.6
Premature birth	159	12.1	11.4	11.7	11.1	9.5	10.0	11.4	10.2	10.6	10.0	9.0
Diarrhea and enteritis (Under 2 yrs.)	119	2.5	3.3	2.9	3.5	2.6	2.7	2.4	2.3	2.1	2.9	1.9
EXTERNAL CAUSES												
Accidents - all forms	169 - 195	73.2	76.9	66.9	67.5	66.9	69.0	71.5	74.5	69.8	63.9	61.7
Motor vehicle accidents	170	28.6	32.0	20.7	16.8	17.3	19.5	23.9	24.9	23.5	21.3	23.2
Homicide	165 - 168	4.3	4.6	4.4	3.9	4.0	4.6	6.0	5.2	5.8	4.9	4.6
Suicide	163 - 164	14.4	13.1	12.1	10.9	9.9	11.1	12.0	11.7	10.7	11.8	11.6
GENERAL CAUSES												
Appendicitis	121	10.4	9.0	6.9	6.8	6.8	5.3	4.5	3.9	3.3	3.0	2.8
Arteriosclerosis	97	17.4	16.2	16.4	20.1	20.1	21.2	19.7	17.9	16.9	17.9	17.8
Cancer	45 - 55	141.0	143.5	147.4	157.5	161.6	163.9	163.7	167.0	167.2	166.1	165.2
Cerebral hemorrhage†	83	85.8	83.6	85.9	95.0	89.1	94.1	91.1	93.3	87.6	85.3	87.5
Cirrhosis of the liver	124	11.0	10.7	11.5	11.9	11.5	11.6	12.7	14.4	14.6	14.7	15.3
Diabetes mellitus	61	33.4	29.0	31.1	34.1	34.4	35.1	32.9	34.5	33.7	34.2	36.0
Diarrhea and enteritis (2 yrs. & over)	120	2.9	(4)	1.7	1.8	1.7	1.2	1.2	1.3	0.9	1.1	1.0
Diseases of infancy, total	157 - 161	36.1	41.6†	47.1	47.9	43.9	41.7	54.1	55.6	49.7	48.3	45.1
Goiter	63b	3.6	(7)	3.2	3.0	2.9	2.9	2.6	2.2	2.0	2.0	1.8
Heart disease	90 - 95	350.6	342.8	370.2	414.6	402.8	413.5	404.5	426.9	412.2	413.2	404.1
Hernia and intestinal obstruction	122	9.7	10.3	10.1	10.9	11.2	9.8	9.6	8.9	8.0	7.7	6.7
Nephritis	130 - 132	91.9	86.2	83.0	90.6	80.4	79.7	71.8	65.6	61.9	57.6	54.0
Prostatic disease	137	7.7	7.0	7.3	8.4	8.5	7.3	7.5	7.2	6.5	5.8	5.4
Stomach, duodenal ulcers	117	7.2	8.3	7.3	8.1	8.0	7.8	6.9	7.6	7.7	7.9	7.9
COMMUNICABLE DISEASES												
Chickenpox-----Deaths	38e	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1
Diphtheria-----Cases	10	228.3	203.5	172.3	106.6	216.2	136.1	149.6	176.6	192.1	191.4	152.2
Deaths-----Deaths	10	1.1	0.7	0.8	1.0	0.3	0.2	0.1	0.1	0.1	0.0	0.0
Dysentery-----Deaths	27	11.8	11.8	10.3	7.7	4.1	2.5	6.0	0.1	0.1	0.0	0.0
Cases†-----Cases†	27	2.6	3.2	5.7	2.0	0.5	0.4	0.3	0.3	0.2	0.3	0.3
Encephalitis-----Deaths	37	0.3	0.3	0.3	0.4	0.5	0.6	0.3	0.3	0.2	0.2	0.3
Cases-----Cases	37	0.9	1.4	0.9	1.1	1.0	0.9	0.7	0.7	1.0	0.7	0.6
Influenza-----Deaths	33	8.2	6.4	4.8	8.6	7.0	4.5	0.7	0.7	1.0	0.9	1.2
Malaria-----Deaths	28	14.2	17.6	7.7	27.6	18.9	13.2	4.4	13.9	2.1	3.7	4.8
Cases-----Cases	28	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0
Measles-----Deaths	35	2.5	1.1	0.5	0.7	1.1	0.1	0.6	0.1	0.1	0.0	0.0
Meningitis (Meningococcus)-----Cases	6	109.6	718.5	127.3	391.1	254.9	102.7	332.0	103.2	505.4	68.4	220.3
Mumps-----Deaths	44c	0.2	0.2	0.4	2.1	2.5	1.7	1.0	0.6	0.7	0.6	0.6
Cases-----Cases	44c	0.1	0.0	0.1	10.4	13.1	7.9	4.6	2.5	2.6	2.3	2.6
Paratyphoid-----Deaths	2	81.1	164.4	93.5	93.6	82.1	93.3	67.6	80.3	141.7	100.3	79.9
Pneumonia, all forms-----Deaths	107 - 109	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0
Cases-----Cases	107 - 109	47.7	40.6	40.5	42.3	36.3	38.0	36.2	38.1	31.6	33.0	29.1
Poliomyelitis-----Deaths	36	184.6	156.4	143.7	150.4	112.3	88.2	80.3	58.8	61.1	58.3	44.2
Cases-----Cases	36	0.7	0.3	0.4	2.1	0.5	1.3	0.3	0.8	0.8	2.9	1.5
Rabies-----Deaths	38b	7.3	4.7	6.2	20.8	7.3	14.3	32.6	10.6	13.3	34.2	22.2
Rheumatic fever (acute)-----Deaths	58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0-	-0-	-0-	-0-
Cases-----Cases	58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0-	-0-	-0-	-0-
Rocky Mt. spotted fever-----Deaths	39c	1.7	1.3	1.0	1.0	0.9	0.9	0.8	0.6	0.5	0.4	0.4
Cases-----Cases	39c	(8)	(8)	(8)	(8)	5.2	3.6	4.1	2.3	1.9	3.8	2.1
Scarlet fever-----Deaths	8	0.1	0.1	0.0	0.0	0.0	-0-	0.0	0.0	0.0	0.0	0.0
Cases-----Cases	8	0.2	0.2	0.3	0.2	0.2	0.2	0.5	0.4	0.2	0.2	0.1
Smallpox-----Deaths	6	0.8	0.5	0.4	0.3	0.3	0.3	0.1	0.0	-0-	0.0	-0-
Cases-----Cases	6	263.3	145.8	98.1	92.0	153.7	136.3	81.7	50.3	54.4	46.9	23.9
Tetanus-----Deaths	12	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
Cases-----Cases	12	2.1	1.3	0.8	0.9	0.2	0.2	0.1	0.0	-0-	-0-	-0-
Tuberculosis, all forms-----Deaths	13 - 22	0.4	0.3	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1
Cases-----Cases	13 - 22	0.5	0.4	0.5	0.6	0.4	0.4	0.5	0.4	0.2	0.4	0.2
Tularemia-----Deaths	26a	46.7	44.5	41.7	43.8	41.9	40.9	38.6	35.2	32.0	29.6	25.4
Cases-----Cases	26a	108.4	118.5	119.1	115.1	104.4	81.7	84.1	96.2	84.2	93.5	87.4
Typhoid fever-----Deaths	1	0.3	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Cases-----Cases	1	3.4	1.3	0.8	0.7	1.2	1.7	1.3	1.5	0.7	0.9	0.9
Undulant fever-----Deaths	5	0.4	0.3	0.2	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0
Cases-----Cases	5	3.9	3.5	2.9	1.6	1.3	1.1	1.4	1.7	1.1	1.2	0.9
Whooping cough-----Deaths	9	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0
Cases-----Cases	9	2.0	2.7	3.4	4.0	4.2	4.2	6.1	6.9	6.2	6.0	5.1
VENEREAL DISEASES												
Gonococcus infection-----Deaths	25	0.8	1.2	1.2	1.3	0.6	0.7	0.4	0.5	0.3	0.3	0.3
Cases-----Cases	25	81.1	97.0	148.8	98.2	41.9	53.2	69.4	59.3	26.6	46.2	38.2
Syphilis-----Deaths	30	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0
Cases-----Cases	30	218.6	242.3	260.7	284.2	295.9	351.2	484.7	405.8	346.5	294.6	240.9
		12.7	11.9	10.7	11.4	11.2	10.3	9.7	8.4	7.4	7.4	6.4
		278.0	295.6	362.8	377.7	329.8	280.7	302.7	239.5	205.1	153.3	129.0

*1950 figures are provisional.

†Intracranial lesions of vascular origin.

‡Amebiasis carriers included in the dysentery group, 1945 - 1950.

§The regulation requiring the reporting of rheumatic fever, in downtown Illinois only, went into effect July 1, 1943.

#Not available.

*Includes Out-of-State cases reported by downstate agencies.

Table III. -- BIRTHS AND DEATHS IN 1950 FOR COUNTIES AND THE LARGER CITIES

	Live Births		Stillbirths†		Deaths			Live Births		Stillbirths†		Deaths	
	Resident	Recorded	Res.	Rec.	Res.	Rec.		Res.	Rec.	Res.	Rec.	Res.	Rec.
ENTIRE STATE	189,596	186,629	3,040	3,096	92,215	91,014	EDWARDS	169	55	2	--	103	62
CHICAGO	78,251	78,609	1,405	1,432	40,684	37,284	EFFINGHAM	529	473	10	10	199	172
DOWNSTATE	111,345	108,020	1,631	1,664	51,520	53,730	FAYETTE	476	536	4	7	252	248
ADAMS	1,331	1,616	18	19	889	934	FORD	359	182	2	1	185	146
QUINCY	915	1,599	10	19	596	729	FRANKLIN	858	690	15	11	525	439
ALEXANDER	371	659	15	29	295	342	W. FRANKFORT	217	26	6	3	131	122
CAIRO	216	624	11	29	196	293	FULTON	884	782	9	8	477	427
BOND	285	8	5	1	166	82	CANTON	260	758	5	8	148	253
BOONE	360	459	4	5	193	208	GALLATIN	202	112	4	2	113	79
BROWN	125	25	--	--	106	75	GREENE	373	523	6	8	226	167
BUREAU	700	856	15	14	426	433	GRUNDY	443	331	9	6	215	167
CALHOUN	127	21	1	--	54	35	HAMILTON	227	210	3	1	148	109
CARROLL	412	322	8	4	242	199	HANCOCK	533	228	3	3	341	215
CASS	314	345	2	1	191	145	HARDIN	153	129	5	5	72	52
CHAMPAIGN	2,389	2,843	41	44	771	813	HENDERSON	163	8	--	--	74	33
CHAMPAIGN CITY	943	951	11	14	300	307	HENRY	996	1,029	22	22	546	493
URBANA	598	1,433	10	22	171	265	KEWANEE	329	743	9	16	211	254
CHRISTIAN	820	925	10	15	430	372	IROQUOIS	692	556	14	8	323	255
CLARK	356	41	3	1	211	141	JACKSON	767	1,036	4	11	465	442
CLAY	404	386	6	6	158	146	JASPER	264	75	2	1	139	79
CLINTON	590	434	13	7	231	195	JEFFERSON	776	867	7	9	362	349
COLES	892	1,098	14	20	439	416	MT. VERNON	407	804	4	8	187	243
MATTOON	431	757	8	13	205	208	JERSEY	362	49	3	--	144	98
COOK	97,716	97,284	1,686	1,710	48,284	46,624	JO DAVIESS	446	23	4	--	261	167
BERWYN	923	1,918	11	25	495	570	JOHNSON	144	70	4	3	105	81
BLUE ISLAND	510	986	11	19	184	272	KANE	3,252	5,044	52	77	1,555	2,267
BROOKFIELD	335	3	4	1	141	73	AURORA	1,235	2,416	18	36	621	745
CALUMET CITY	353	1	--	--	118	56	ELGIN	821	1,849	14	31	428	1,031
CHICAGO HEIGHTS	729	1,492	19	25	246	296	KANKAKEE	1,398	1,487	17	21	602	1,457
CICERO	1,285	7	16	--	621	299	KANKAKEE CITY	585	1,413	7	12	284	351
ELMWOOD PARK	373	--	5	--	142	66	KENDALL	282	3	4	--	137	72
EVANSTON	1,452	4,123	27	59	708	1,029	KNOX	1,140	1,205	15	18	616	579
FOREST PARK	324	--	2	--	183	127	GALESBURG	670	1,197	9	18	393	454
HARVEY	595	1,126	8	19	178	208	LAKE	4,351	4,543	72	76	1,423	1,554
LA GRANGE	363	--	6	--	139	65	HIGHLAND PARK	349	411	7	9	122	117
MAYWOOD	564	2	2	--	262	124	WAUKEGAN	951	1,091	14	15	366	262
MELROSE PARK	438	549	9	5	120	164	LA SALLE	2,317	2,507	27	29	1,198	1,068
OAK PARK	1,121	4,662	15	64	741	915	LA SALLE CITY	230	415	3	6	149	170
PARK RIDGE	323	2	5	--	148	72	OTTAWA	426	776	5	8	192	212
WILMETTE	321	1	4	--	201	144	STREATOR	443	895	6	11	208	276
WINNETKA	168	--	2	--	97	62	LAWRENCE	423	254	5	3	235	199
CRAWFORD	419	397	6	6	240	231	LEE	739	753	8	9	419	510
CUMBERLAND	214	61	2	--	129	84	DIXON	305	629	5	6	142	188
DE KALB	988	1,148	12	16	403	420	LIVINGSTON	795	742	12	10	410	471
DE WITT	328	248	4	5	205	156	LOGAN	521	571	10	13	313	406
DOUGLAS	376	404	8	5	205	190	LINCOLN	228	564	6	13	152	289
DU PAGE	3,387	2,220	42	32	1,242	1,162	MC DONOUGH	611	656	6	9	330	363
ELMHURST	488	1,639	6	23	182	337							
EDGAR	459	470	4	8	313	293							

See footnotes at end of table.

Table III -- BIRTHS AND DEATHS IN 1950 FOR COUNTIES AND THE LARGER CITIES, Continued

	Live Births		Stillbirths†		Deaths			Live Births		Stillbirths†		Deaths	
	Resident	Recorded	Res.	Rec.	Res.	Rec.		Res.	Rec.	Res.	Rec.	Res.	Rec.
MC HENRY	1,199	776	11	5	516	397	ROCK ISLAND	3,144	3,271	40	45	1,244	1,437
MC LEAN	1,653	1,925	20	25	863	879	EAST MOLINE	322	4	6	--	90	27
BLOOMINGTON	739	1,680	9	15	432	542	MOLINE	985	2,322	10	28	402	568
MACON	2,389	2,804	40	45	960	1,066	ROCK ISLAND	1,095	914	12	15	529	451
DECATUR	1,629	2,796	27	45	698	904	ST. CLAIR	4,847	4,495	57	58	2,148	1,998
MACOUPIN	828	200	8	4	605	372	BELLEVILLE	967	1,358	14	15	412	501
MADISON	4,288	4,162	78	81	1,610	1,738	E. ST. LOUIS	2,029	2,620	21	34	989	1,072
ALTON	758	1,666	14	37	383	535	SALINE	562	833	8	16	409	413
GRANITE CITY	743	1,085	10	19	252	244	HARRISBURG	189	407	5	8	141	164
MARION	869	1,111	15	21	439	451	SANGAMON	3,006	3,505	36	39	1,591	1,791
CENTRALIA	320	717	5	16	182	249	SPRINGFIELD	1,796	3,479	27	38	1,073	1,519
MARSHALL	275	10	1	--	145	72	SCHUYLER	185	134	3	1	119	78
MASON	305	27	6	1	159	82	SCOTT	171	29	3	2	83	33
MASSAC	250	246	5	6	176	177	SHELBY	527	377	8	6	297	246
MENARD	201	28	2	--	116	61	STARK	189	1	6	--	82	35
MERCER	362	208	5	3	203	151	STEPHENSON	851	1,254	10	21	466	532
MONROE	274	3	3	--	135	75	FREEMONT	462	1,229	3	21	282	434
MONTGOMERY	655	993	18	21	423	518	TAEZEWELL	1,947	787	24	20	580	381
MORGAN	634	913	7	13	398	803	PEKIN	494	773	10	17	207	212
JACKSONVILLE	321	896	4	13	238	729	UNION	366	378	9	10	203	447
MULTRIE	310	27	2	--	152	112	VERMILION	1,895	2,106	30	33	1,048	1,116
OGLE	757	395	15	7	343	249	DANVILLE	878	2,078	14	33	527	715
PEORIA	4,004	5,492	66	81	1,760	2,157	WABASH	305	118	5	4	182	158
PEORIA CITY	2,478	5,414	37	78	1,267	1,486	WARREN	447	580	5	6	292	292
PERRY	415	455	11	11	236	223	WASHINGTON	251	40	1	--	164	123
PIATT	298	170	8	2	153	104	WAYNE	429	320	5	4	212	160
PIKE	400	347	4	4	317	252	WHITE	432	181	7	4	227	161
POPE	80	37	--	--	69	44	WHITESIDE	1,302	1,206	17	20	501	438
PULASKI	254	144	11	4	181	127	STERLING	328	847	5	17	154	209
PUTNAM	95	--	2	3	60	27	WILL	2,897	2,859	44	46	1,340	1,332
RANDOLPH	572	747	10	8	335	377	JOLIET	1,745	2,840	24	46	690	908
RICHLAND	410	584	4	8	167	231	WILLIAMSON	820	696	18	20	549	592
							WINNEBAGO	3,717	3,638	58	59	1,465	1,400
							ROCKFORD	2,065	3,578	34	56	994	1,027
							WOODFORD	516	18	11	--	207	154

Note: "Resident" refers to births and deaths among residents of the area. "Recorded" refers to the births and deaths that took place in the area, irrespective of where the persons concerned may have usually resided.

*The State totals include 5 live births, 4 stillbirths, and 9 deaths for which the specific place of residence within the State was not reported.

†Fetus having advanced to 5th month of uterogestation

Table IV. -- SUMMARY OF BIRTHS AND DEATHS BY SIX MAJOR REGIONS: ILLINOIS, 1950

	LIVE BIRTHS				STILLBIRTHS				DEATHS			
	Recorded		Resident		Recorded		Resident		Recorded		Resident	
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*
TOTAL	186,629	21.4	189,596	21.7	3,096	16.6	3,040	16.0	91,014	10.4	92,215	10.6
Region I	111,950	21.8	111,603	21.8	1,941	17.3	1,896	17.0	52,939	10.3	53,844	10.5
Region II	19,458	21.9	20,146	22.6	286	14.7	283	14.0	9,704	10.9	9,177	10.3
Region III	6,279	25.1	5,951	23.8	101	16.1	90	15.1	2,538	10.1	2,340	9.3
Region IV	28,001	20.3	29,410	21.3	401	14.3	410	13.9	15,031	10.9	15,595	11.3
Region V	8,657	22.3	9,135	23.5	139	16.1	135	14.8	3,736	9.6	3,758	9.7
Region VI	12,284	18.2	13,346	19.7	228	18.6	222	16.6	7,066	10.4	7,492	11.1
Unspecified place in Illinois	--	--	5	--	--	--	4	--	--	--	9	--

*Birth and death rates are per 1,000 population. Stillbirth rates are per 1,000 live births.

Table V. -- DEATHS OF ILLINOIS RESIDENTS ACCORDING TO CAUSE, 1950
(Provisional Report)

CAUSE (5th Revision)	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages--all causes	*92,215	3,596	4,850	5,675	706	1,380	7,043	27,921	49,466	21,366
SELECTED CAUSES OF DEATH	*88,040	3,547	4,661	5,331	596	1,240	6,427	26,652	47,789	20,291
Diseases of infancy, total	3,936	3,361	3,718	3,807	30	12	51	32	4	965
Premature birth	1,710	1,702	1,710	1,710	xxx	xxx	xxx	xxx	xxx	398
Maternal causes, total	131	xxx	xxx	xxx	--	29	100	2	xxx	42
Puerperal septicemia	41	xxx	xxx	xxx	--	12	28	1	xxx	16
Puerperal toxemia	33	xxx	xxx	xxx	--	8	25	--	xxx	8
Communicable diseases, total	5,815	132	595	809	129	206	940	1,734	1,997	1,134
Acute respiratory diseases, total	2,653	126	542	655	32	30	163	516	1,257	643
Influenza	108	2	15	17	1	3	2	10	75	50
Pneumonia	2,545	124	527	638	31	27	161	506	1,182	593
Diphtheria	1	--	--	1	--	--	--	--	--	--
Dysentery--all forms	22	--	4	7	2	--	4	4	5	6
Encephalitis--infectious	23	--	--	3	--	1	5	10	4	6
Measles	8	--	1	6	2	--	--	--	--	2
Meningitis--meningococcus	49	2	13	29	3	5	5	5	2	11
Pertussis (whooping cough)	22	--	10	19	3	--	--	--	--	15
Poliomyelitis	129	--	1	13	41	25	47	3	--	42
Rheumatic fever	32	--	--	--	14	3	10	4	1	8
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	558	2	3	5	--	7	41	296	211	95
Tuberculosis--all forms	2,215	1	9	52	26	131	644	868	494	274
Pulmonary tuberculosis	2,028	1	7	16	14	111	593	826	468	249
Other communicable diseases	105	1	12	21	6	4	21	28	23	32
Accidents--all forms, total	5,397	14	111	343	265	579	1,066	1,256	1,880	1,647
Motor vehicle	2,025	1	13	69	116	381	540	535	384	661
Home	1,702	8	97	216	59	39	144	220	1,024	514
Occupational	423	xxx	xxx	xxx	1	35	141	205	41	156
Public	1,237	5	21	58	87	124	241	296	431	316
Arteriosclerosis	1,551	xxx	xxx	xxx	--	--	3	127	1,421	479
Cancer	14,423	--	6	44	44	65	1,004	5,887	7,379	3,007
Diabetes	3,140	1	1	4	8	17	111	1,090	1,910	639
Diseases of digestive system, total	3,966	32	182	253	44	45	463	1,587	1,574	798
Appendicitis	241	--	--	14	14	9	44	97	63	52
Cirrhosis of the liver	1,332	--	1	3	4	8	210	659	448	194
Diarrhea and enteritis	250	24	141	168	5	3	12	29	33	62
Hernia and intestinal obstruction	584	4	21	26	6	9	43	160	338	147
Ulcers of stomach or duodenum	688	1	3	4	--	3	66	317	296	140
Goiter--exophthalmic	157	--	--	--	--	2	13	68	74	40
Heart disease, total	*35,281	4	15	23	40	106	1,659	10,996	22,453	7,708
Coronary	*10,786	--	1	1	1	11	618	4,560	5,593	2,621
Chronic rheumatic	1,620	--	--	2	20	46	339	612	601	400
Homicide	406	1	2	7	6	54	213	104	22	45
Intracranial lesions of vascular origin	7,643	2	9	22	9	15	223	1,999	5,375	2,160
Nephritis	4,715	--	2	19	19	50	326	1,267	3,034	1,175
Prostatic disease	473	--	--	--	--	--	1	66	406	155
Suicide	1,013	xxx	xxx	xxx	2	60	254	437	260	297
ALL OTHER KNOWN CAUSES	*4,075	46	182	335	107	129	592	1,238	1,672	1,023
CAUSE AS YET UNASSIGNED	*100	3	7	9	3	11	24	31	19	52

*Total, include deaths reported with age unknown distributed as follows: Deaths, all ages - all causes, 10; Selected causes of death, 5; Accidents--all forms, total, 1; Motor vehicle, 1; Heart disease, total, 4; Coronary, 2; All other known causes, 2; and Cause as yet unassigned, 3.

Table VI. -- DEATHS AMONG RESIDENTS OF THE CHICAGO METROPOLITAN AREA, 1950
(Provisional Report)

CAUSE (5th Revision)	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	*53,844	2,051	2,740	3,189	563	748	4,724	19,065	25,752	3,187
SELECTED CAUSES OF DEATH	*51,605	2,028	2,634	2,996	302	673	4,314	18,312	25,000	3,043
Diseases of infancy, total	2,244	1,912	2,104	2,153	19	10	39	24	2	176
Premature birth	980	974	980	9-0	xxx	xxx	xxx	xxx	xxx	65
Maternal causes, total	74	xxx	xxx	xxx	--	17	55	2	xxx	7
Puerperal septicemia	24	xxx	xxx	xxx	--	8	15	1	xxx	3
Puerperal toxemia	17	xxx	xxx	xxx	--	6	11	--	xxx	--
Communicable diseases, total	3,703	87	149	474	73	147	718	1,241	1,050	162
Acute respiratory diseases, total	1,544	84	321	3-6	17	19	114	366	642	96
Influenza	26	1	4	4	1	1	1	5	14	5
Pneumonia	1,518	83	317	362	16	18	113	361	628	91
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	17	--	4	5	1	--	4	4	3	2
Encephalitis—infectious	15	--	--	7	--	--	5	7	1	--
Measles	6	--	--	5	1	--	--	--	--	--
Meningitis—meningococcus	32	1	10	19	3	3	2	4	1	1
Pertussis (whooping cough)	3	--	2	3	--	--	--	--	--	--
Poliomyelitis	62	--	--	5	22	8	26	1	--	9
Rheumatic fever	13	--	--	--	3	2	6	2	--	--
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	316	--	--	--	--	1	23	180	112	16
Tuberculosis—all forms	1,650	1	7	42	22	111	526	664	285	37
Pulmonary tuberculosis	1,516	1	7	15	13	93	484	641	272	37
Other communicable diseases	45	1	5	7	4	5	12	13	6	1
Accidents—all forms, total	*2,615	7	99	140	116	241	544	755	1,006	256
Motor vehicle	*967	--	1	24	49	146	252	306	187	115
Home	761	3	46	108	20	23	82	145	363	73
Occupational	180	xxx	xxx	xxx	--	11	49	106	14	14
Public	707	4	10	25	39	59	141	196	222	50
Arteriosclerosis	664	xxx	xxx	xxx	--	--	2	72	590	43
Cancer	8,843	--	2	27	29	34	655	4,019	4,079	497
Diabetes	1,923	--	--	1	3	4	72	771	1,072	96
Diseases of digestive system, total	2,489	19	104	143	24	27	330	1,107	858	123
Appendicitis	147	--	--	7	9	5	31	64	31	6
Cirrhosis of the liver	939	--	1	2	1	5	172	496	263	34
Diarrhea and enteritis	137	14	84	99	2	1	7	17	11	15
Hernia and intestinal obstruction	330	3	13	19	5	6	27	108	172	19
Ulcers of stomach or duodenum	437	1	3	4	--	2	46	211	174	23
Goiter—exophthalmic	76	--	--	--	--	2	8	40	26	7
Heart disease, total	*21,415	2	9	13	27	81	1,221	7,835	12,237	1,170
Coronary	*5,915	--	1	1	1	8	402	2,925	2,577	383
Chronic rheumatic	919	--	--	2	13	37	239	402	226	67
Homicide	304	1	2	3	3	40	162	82	14	11
Intracranial lesions of vascular origin	3,819	--	4	12	3	6	136	1,228	2,434	260
Nephritis	2,640	--	1	13	12	25	224	843	1,523	167
Prostatic disease	233	--	--	--	--	--	1	43	189	18
Suicide	563	xxx	xxx	xxx	1	39	147	250	126	50
ALL OTHER KNOWN CAUSES	*2,203	23	105	192	60	69	400	739	742	137
CAUSE AS YET UNASSIGNED	36	--	1	1	1	6	10	14	4	7

*Totals include deaths reported with age unknown distributed as follows: Deaths, all ages -- all causes, 3; Selected causes of death, 2; Accidents—all forms, total, 1; Motor vehicle, 1; Heart disease, total, 1; Coronary, 1; and All other known causes, 1.

Table VII — DEATHS AMONG RESIDENTS OF THE NORTHERN AREA, 1950

(Provisional Report)

CAUSE (5th Revision)	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	* 9,177	380	530	650	795	155	564	2,093	3,819	3,802
SELECTED CAUSES OF DEATH	* 8,694	372	506	604	82	138	507	1,961	5,391	3,586
Diseases of infancy, total	422	352	400	411	3	1	5	1	1	178
Premature birth	155	155	155	155	xxx	xxx	xxx	xxx	xxx	67
Maternal causes, total	12	xxx	xxx	xxx	--	5	7	--	xxx	6
Puerperal septicemia	2	xxx	xxx	xxx	--	1	1	--	xxx	2
Puerperal toxemia	5	xxx	xxx	xxx	--	1	4	--	xxx	2
Communicable diseases, total	496	11	64	102	25	15	50	105	199	202
Acute respiratory diseases, total	281	10	50	73	6	2	12	40	145	118
Influenza	19	--	2	2	--	--	1	2	14	9
Pneumonia	262	10	54	71	8	2	11	38	132	119
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery—all forms	4	--	--	2	1	--	--	--	1	4
Encephalitis—infectious	--	--	--	--	--	--	--	--	--	--
Measles	1	--	1	1	--	--	--	--	--	3
Meningitis—meningococcus	3	1	1	1	--	--	--	--	--	1
Pertussis (whooping cough)	3	--	--	3	--	--	--	--	--	3
Poliomyelitis	36	--	1	7	1	8	11	1	--	17
Rheumatic fever	6	--	--	--	3	--	--	1	--	6
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	40	--	--	--	--	1	--	12	15	30
Tuberculosis—all forms	106	--	1	5	--	3	23	30	35	39
Pulmonary tuberculosis	85	--	--	--	--	4	18	20	32	20
Other communicable diseases	10	--	1	5	--	--	1	5	2	10
Accidents—all forms, total	520	2	1	14	14	1	111	174	246	298
Motor vehicle	243	--	2	17	13	--	79	46	41	139
Home	219	--	1	1	1	--	14	15	147	106
Occupational	45	xxx	xxx	xxx	--	--	13	18	9	42
Public	122	--	2	13	--	1	14	25	49	50
Arteriosclerosis	154	xxx	xxx	xxx	--	--	1	10	173	80
Cancer	1,441	--	--	4	4	4	105	467	855	707
Diabetes	308	1	1	1	1	3	12	72	219	110
Diseases of digestive system, total	378	2	23	2	--	2	12	114	136	141
Appendicitis	25	--	--	2	1	--	5	1	9	10
Cirrhosis of the liver	--	--	--	--	--	--	11	37	40	37
Diarrhea and enteritis	32	4	18	21	2	2	1	1	5	10
Hernia and intestinal obstruction	65	1	3	--	--	--	5	3	45	26
Ulcers of stomach or duodenum	64	--	--	--	--	1	2	20	34	19
Goiter—exophthalmic	20	--	--	--	--	--	1	6	13	8
Heart disease, total	* 3,254	--	--	--	3	3	105	753	2,189	1,392
Coronary	* 1,289	--	--	--	--	1	53	452	762	512
Chronic rheumatic	148	--	--	--	1	1	26	47	73	58
Homicide	15	--	--	--	1	3	6	2	3	3
Intracranial lesions of vascular origin	899	--	1	3	2	4	24	180	686	378
Nephritis	466	--	--	1	1	4	27	90	343	193
Prostatic disease	58	--	--	--	--	--	--	1	52	28
Suicide	105	xxx	xxx	xxx	1	6	21	51	26	45
ALL OTHER KNOWN CAUSES	476	8	22	43	13	17	52	130	221	202
CAUSE AS YET UNASSIGNED	* 17	--	2	3	--	--	5	2	6	14

* Totals include deaths reported with age unknown distributed as follows: Deaths, all ages -- all causes, 2; Selected causes of death, 1; Heart disease, total, 1; Coronary, 1; and Cause as yet unassigned, 1.

Table VIII. — DEATHS AMONG RESIDENTS OF THE PEORIA METROPOLITAN AREA, 1950
(Provisional Report)

[illegible]

Table IX -- DEATHS AMONG RESIDENTS OF THE CENTRAL AREA, 1950

(Provisional Report)

CAUSE (5th Revision)	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages—all causes	*15,595	604	788	906	124	299	820	3,352	11,181	1,911
SELECTED CAUSES OF DEATH	*14,860	596	769	865	107	189	750	3,160	9,787	7,575
Diseases of infancy, total	661	574	631	646	4	1	5	4	1	333
Premature birth	305	305	305	305	xxx	xxx	xxx	xxx	xxx	142
Maternal causes, total	23	xxx	xxx	xxx	--	3	20	--	xxx	16
Puerperal septicemia	10	xxx	xxx	xxx	--	2	8	--	xxx	8
Puerperal toxemia	6	xxx	xxx	xxx	--	1	5	--	xxx	4
Communicable diseases, total	799	19	91	111	14	18	68	178	415	403
Acute respiratory diseases, total	425	18	84	96	3	7	15	4	256	237
Influenza	33	--	5	5	--	1	--	1	26	23
Pneumonia	392	18	79	91	1	6	15	47	230	214
Diphtheria	1	--	--	1	--	--	--	--	--	--
Dysentery—all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis—infectious	5	--	--	1	--	--	--	2	2	4
Measles	1	--	--	--	1	--	--	--	--	1
Meningitis—meningococcus	4	--	--	2	--	--	2	--	--	4
Pertussis (whooping cough)	6	--	3	5	1	--	--	--	--	6
Poliomyelitis	17	--	--	--	3	5	8	1	--	9
Rheumatic fever	8	--	--	--	5	1	1	--	1	4
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	105	1	1	1	--	2	5	47	51	35
Tuberculosis—all forms	202	--	--	1	--	3	32	76	90	91
Pulmonary tuberculosis	183	--	--	--	--	2	30	68	83	86
Other communicable diseases	25	--	3	4	1	--	5	5	10	12
Accidents—all forms, total	1,070	1	24	62	64	119	183	189	453	606
Motor vehicle	414	--	4	18	32	81	106	96	81	245
Home	386	1	16	35	7	7	22	31	284	192
Occupational	84	xxx	xxx	xxx	1	8	28	35	12	58
Public	186	--	4	9	24	23	27	27	76	111
Arteriosclerosis	339	xxx	xxx	xxx	--	--	--	14	325	175
Cancer	2,200	--	1	4	4	6	119	708	1,359	1,081
Diabetes	510	--	--	--	3	4	12	130	361	253
Diseases of digestive system, total	530	2	18	30	7	1	47	156	289	262
Appendicitis	30	--	--	1	2	--	4	8	15	12
Cirrhosis of the liver	129	--	--	1	1	--	9	49	69	60
Diarrhea and enteritis	28	2	11	14	--	--	3	4	7	5
Hernia and intestinal obstruction	106	--	3	4	1	--	9	21	71	64
Ulcers of stomach or duodenum	84	--	--	--	--	--	10	29	45	39
Goiter—exophthalmic	43	--	--	--	--	--	2	15	26	19
Heart disease, total	*5,899	--	1	4	6	13	152	1,229	4,493	2,952
Coronary	2,103	--	--	--	--	1	83	670	1,349	1,029
Chronic rheumatic	273	--	--	--	3	6	30	66	168	155
Homicide	35	--	--	3	1	3	18	8	2	15
Intracranial lesions of vascular origin	1,581	--	2	3	1	1	36	301	1,239	826
Nephritis	883	--	1	2	3	10	41	143	684	477
Prostatic disease	97	--	--	--	--	--	--	7	90	61
Suicide	190	xxx	xxx	xxx	--	10	47	78	55	117
ALL OTHER KNOWN CAUSES	*717	8	19	41	14	17	67	187	390	376
CAUSE AS YET UNASSIGNED	*18	--	--	--	2	3	3	5	4	13

* Totals include deaths reported with age unknown distributed as follows: Deaths, all ages -- all causes, 4; Selected causes of death, 2; Heart disease, total, 2; All other known causes, 1; and Cause as yet unassigned, 1.

Table X. -- DEATHS AMONG RESIDENTS OF THE EAST ST. LOUIS METROPOLITAN AREA, 1950
(Provisional Report)

CAUSE (5th Revision)	TOTAL	AGE AT DEATH								IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over	
DEATHS, all ages--all causes	* 3,758	198	258	311	33	93	322	1,084	1,914	1,142
SELECTED CAUSES OF DEATH	3,587	194	250	292	31	85	298	1,032	1,849	1,094
Diseases of infancy, total	204	184	206	204	--	--	--	--	--	57
Premature birth	108	107	108	108	xxx	xxx	xxx	xxx	xxx	27
Maternal causes, total	8	xxx	xxx	xxx	--	3	5	--	xxx	3
Puerperal septicemia	1	xxx	xxx	xxx	--	1	--	--	xxx	--
Puerperal toxemia	2	xxx	xxx	xxx	--	--	2	--	xxx	--
Communicable diseases, total	218	6	25	37	4	7	41	69	60	56
Acute respiratory diseases, total	92	6	22	30	2	1	8	15	36	35
Influenza	5	--	--	--	--	1	--	1	3	--
Pneumonia	87	6	22	30	2	--	8	14	33	35
Diphtheria	--	--	--	--	--	--	--	--	--	--
Dysentery--all forms	--	--	--	--	--	--	--	--	--	--
Encephalitis--infectious	1	--	--	--	--	--	--	1	--	--
Measles	--	--	--	--	--	--	--	--	--	--
Meningitis--meningococcus	3	--	1	2	--	--	1	--	--	--
Pertussis (whooping cough)	2	--	2	2	--	--	--	--	--	--
Poliomyelitis	5	--	--	1	1	1	2	--	--	1
Rheumatic fever	2	--	--	--	1	--	--	1	--	3
Scarlet fever	--	--	--	--	--	--	--	--	--	--
Syphilis	31	--	--	--	--	--	4	18	9	6
Tuberculosis--all forms	79	--	--	1	--	5	26	33	14	10
Pulmonary tuberculosis	74	--	--	--	--	5	24	32	13	9
Other communicable diseases	3	--	--	1	--	--	--	1	1	1
Accidents--all forms, total	332	3	14	31	18	50	70	69	94	109
Motor vehicle	139	--	2	7	5	37	33	35	22	49
Home	108	2	11	21	7	5	11	10	54	36
Occupational	27	xxx	xxx	xxx	xxx	--	13	11	3	7
Public	58	1	1	3	6	8	13	13	15	17
Arteriosclerosis	63	xxx	xxx	xxx	xxx	--	--	4	59	26
Cancer	541	--	1	3	--	2	45	218	273	169
Diabetes	129	--	--	--	1	5	5	45	73	43
Diseases of digestive system, total	177	1	9	13	3	3	22	71	65	66
Appendicitis	8	--	--	1	1	--	--	4	2	3
Cirrhosis of the liver	67	--	--	--	1	1	11	31	23	25
Diarrhea and enteritis	13	--	6	8	1	--	--	1	3	4
Hernia and intestinal obstruction	23	--	1	1	--	--	--	7	15	8
Ulcers of stomach or duodenum	34	--	--	--	--	--	5	19	10	15
Goiter--exophthalmic	3	--	--	--	--	--	--	1	2	--
Heart disease, total	1,279	--	1	1	2	3	60	366	847	365
Coronary	331	--	--	--	--	--	23	139	169	84
Chronic rheumatic	51	--	--	--	2	--	13	20	16	14
Homicide	20	--	--	1	--	5	11	3	--	3
Intracranial lesions of vascular origin	354	--	--	2	2	1	11	98	240	110
Nephritis	193	--	--	--	1	4	14	66	108	57
Prostatic disease	14	--	--	--	--	--	--	2	12	3
Suicide	52	xxx	xxx	xxx	xxx	2	14	20	16	27
ALL OTHER KNOWN CAUSES	162	2	6	17	2	6	24	51	62	46
CAUSE AS YET UNASSIGNED	* 9	2	2	2	--	2	--	1	3	2

*Totals include deaths reported with age unknown distributed as follows: Deaths, all ages -- all causes, 1, and Cause as yet unassigned, 1

Table XI -- DEATHS AMONG RESIDENTS OF THE SOUTHERN AREA, 1950

(Provisional Report)

CAUSE (5th Revision)	TOTAL	AGE AT DEATH									IN RURAL AREA
		under 1 month	under 1 year	0 - 4 years	5 - 14 years	15 - 24 years	25 - 44 years	45 - 64 years	65 years and over		
DEATHS, all ages—all causes	7,492	266	402	464	74	129	441	1,672	4,712	4,542	
SELECTED CAUSES OF DEATH	7,090	262	389	432	59	114	399	1,575	4,511	4,304	
Diseases of infancy, total	291	246	277	285	2	--	2	2	--	107	
Premature birth	124	123	124	124	xxx	xxx	xxx	xxx	xxx	8	
Maternal causes, total	11	xxx	xxx	xxx	--	--	11	--	xxx	7	
Puerperal septicemia	3	xxx	xxx	xxx	--	--	3	--	xxx	3	
Puerperal toxemia	3	xxx	xxx	xxx	--	--	3	--	xxx	2	
Communicable diseases, total	451	7	54	70	9	13	42	95	222	281	
Acute respiratory diseases, total	221	6	49	57	1	--	1	20	130	139	
Influenza	24	1	4	6	--	--	--	--	1	12	
Pneumonia	197	5	45	51	1	--	--	21	111	127	
Diphtheria	--	--	--	--	--	--	--	--	--	--	
Dysentery—all forms	1	--	--	--	--	--	--	--	1	--	
Encephalitis—infectious	2	--	--	--	--	1	--	--	1	2	
Measles	--	--	--	--	--	--	--	--	--	--	
Meningitis—meningococcus	5	--	--	2	--	1	--	1	1	4	
Pertussis (whooping cough)	7	--	3	5	2	--	--	--	--	5	
Poliomyelitis	5	--	--	--	3	2	--	--	1	3	
Rheumatic fever	2	--	--	--	1	--	1	--	--	1	
Scarlet fever	--	--	--	--	--	--	--	--	--	--	
Syphilis	54	1	2	2	--	3	6	22	21	27	
Tuberculosis—all forms	141	--	1	1	1	6	20	48	58	90	
Pulmonary tuberculosis	132	--	--	1	--	5	24	45	57	82	
Other communicable diseases	13	--	--	1	--	--	3	4	4	17	
Accidents—all forms, total	519	1	14	43	47	71	128	120	214	343	
Motor vehicle	204	1	1	6	17	47	61	58	37	123	
Home	173	--	9	21	10	--	12	14	111	96	
Occupational	74	xxx	xxx	xxx	--	5	13	12	1	45	
Public	138	--	4	6	10	16	22	24	60	6	
Arteriosclerosis	228	xxx	xxx	xxx	--	--	--	17	211	132	
Cancer	1,709	--	2	4	4	12	53	326	609	592	
Diabetes	210	--	--	2	--	--	6	56	140	115	
Diseases of digestive system, total	293	4	26	31	3	1	21	94	141	163	
Appendicitis	25	--	--	3	1	1	2	13	5	16	
Cirrhosis of the liver	74	--	--	--	1	--	2	20	31	29	
Diarrhea and enteritis	34	4	20	22	--	--	1	4	7	19	
Hernia and intestinal obstruction	46	--	1	1	--	--	9	9	27	30	
Ulcers of stomach or duodenum	57	--	--	--	--	--	4	24	29	42	
Goiter—exophthalmic	11	--	--	--	--	--	1	5	5	6	
Heart disease, total	2,653	2	4	4	1	6	87	586	1,969	1,518	
Coronary	876	--	--	--	--	1	40	283	552	511	
Chronic rheumatic	143	--	--	--	--	2	21	37	83	90	
Homicide	22	--	--	--	1	2	10	6	3	10	
Intracranial lesions of vascular origin	794	2	2	2	1	2	9	153	627	513	
Nephritis	413	--	--	--	1	6	15	100	291	268	
Prostatic disease	47	--	--	--	--	--	--	4	43	37	
Suicide	68	xxx	xxx	xxx	--	1	14	23	30	45	
ALL OTHER KNOWN CAUSES	384	3	20	29	15	15	36	90	199	224	
CAUSE AS YET UNASSIGNED	18	1	2	3	--	--	6	7	2	14	

Table 6. -- NUMBERS AND RATES FOR LEADING CAUSES OF DEATH, ALL AGES, AND SELECTED AGE GROUPS: ILLINOIS, 1949 AND 1950
(Based on resident deaths. Rates are per 100,000 population)

Age - Cause	1950				1949				Age - Cause				1950				1949			
	Rank	Number	Percent of total	Rate	Rank	Number	Percent of total	Rate	Rank	Number	Percent of total	Rate	Rank	Number	Percent of total	Rate				
ALL AGES, TOTAL		92,215	100.0	† 106.1		92,521	100.0	† 108.9		7,043	100.0	† 256.1		7,336	100.0	† 274.5				
Heart disease	1	35,281	38.3	404.0	1	35,172	38.1	413.2	1	1,659	23.6	60.3	1	1,646	22.5	61.6				
Cancer	2	14,423	15.6	165.2	2	14,137	15.3	166.1	2	1,066	15.1	38.8	3	1,024	14.0	38.3				
Vascular lesions of the central nervous system	3	7,643	8.3	87.5	3	7,260	7.8	85.3	3	1,004	14.3	36.5	2	1,082	14.7	40.5				
Accidents	4	5,390	5.8	61.7	4	5,442	5.9	63.9	4	644	9.1	23.4	4	751	10.2	28.1				
Nephritis	5	4,715	5.1	54.0	5	4,900	5.3	57.6	5	326	4.6	11.9	5	304	4.1	11.4				
Diseases of infancy	6	3,936	4.3	45.1	6	4,113	4.4	48.3		2,344	33.3	85.2		2,529	34.5	94.6				
Diabetes	7	3,140	3.4	36.0	7	2,915	3.2	34.2												
Acute respiratory disease	8	2,553	2.9	30.4	8	2,889	3.1	33.9		27,921	100.0	† 1,023.6		28,156	100.0	† 1,070.3				
Tuberculosis	9	2,215	2.4	25.4	9	2,518	2.7	29.6	1	10,995	39.4	560.7	1	11,008	39.0	574.9				
Arteriosclerosis	10	1,551	1.7	17.8	10	1,523	1.6	17.9	2	5,887	21.1	300.2	2	5,803	20.6	303.0				
All other causes		11,266	12.2	129.0		11,651	12.6	136.9	3	1,999	7.2	101.9	3	1,986	7.1	103.7				
5 - 14 YEARS, TOTAL		706	100.0	† 57.5		758	100.0	† 63.1		4	1,267	4.5	64.6	5	1,228	4.4	64.1			
Accidents	1	265	37.6	21.6	1	264	34.8	22.0		5	1,256	4.5	64.0	4	1,296	4.6	67.7			
Cancer	2	44	6.2	3.6	4	46	6.1	3.8		6,516	23.3	332.2		6,835	24.3	355.9				
Polio	3	41	5.8	3.3	2	81	10.7	6.8												
Heart disease	4	40	5.7	3.3	3	47	6.2	3.9		49,480	100.0	† 6,573.7		48,820	100.0	† 6,669.4				
Acute respiratory disease	5	32	4.5	2.6	5	41	5.4	3.4		22,453	45.4	2,983.0	1	22,320	45.7	3,049.2				
All other causes		284	40.2	23.1		279	36.8	23.2		7,379	14.9	980.3	2	7,102	14.6	970.2				
15 - 24 YEARS, TOTAL		1,380	100.0	† 117.6		1,458	100.0	† 126.9		3	5,375	10.9	714.1	3	4,970	10.2	679.0			
Accidents	1	579	42.0	49.3	1	524	35.9	45.6		4	3,034	6.1	403.1	4	3,280	6.7	448.1			
Tuberculosis	2	131	9.5	11.2	2	172	11.8	15.0		5	1,910	3.9	235.8	6	1,745	3.6	238.4			
Heart disease	3	106	7.7	9.0	3	131	9.0	11.4		6	1,880	3.8	249.8	5	2,017	4.1	275.5			
Cancer	4	65	4.7	5.6	4	70	4.8	6.1		7,449	15.0	989.6		7,386	15.1	1,009.0				
Suicide	5	60	4.3	5.1	8	42	2.9	3.6												
Polio	6	25	1.8	2.1	5	63	4.3	5.5												
All other causes		414	30.0	35.3		456	31.3	39.7												

† All rates in this group are crude rates.

‡ All rates in this group are age specific rates.

Table 7. -- CRUDE AND STANDARDIZED MORTALITY RATES FOR SELECTED CAUSES OF DEATH, ILLINOIS RESIDENTS: 1940 AND 1949

Selected Cause	Int. List No. 5th Revision	CRUDE*		AGE-ADJUSTED**	
		1949	1940	1949	1940
ENTIRE STATE					
All causes		10.9	11.2	9.2	10.2
Heart disease	90-95	413	351	344	329
Cancer	45-55	166	141	141	131
Intracranial lesions					
of vascular origin	83	85	86	71	81
Nephritis	130-132	58	92	48	87
Tuberculosis	13-22	30	47	27	44
Pulmonary tuberculosis	13	28	43	25	41
Diabetes	61	34	33	29	31
Accidents (except motor vehicle)	169,171-195	43	45	38	43
Motor vehicle accidents	170	21	29	21	28
Pneumonia	107-109	33	48	28	47
Cirrhosis of the liver	124	15	11	13	10
Arteriosclerosis	97	18	17	14	16
DOWNSTATE					
All causes		10.8	11.3	8.8	10.2
Heart disease	90-95	395	332	315	287
Cancer	45-55	156	135	130	119
Intracranial lesions					
of vascular origin	83	95	101	75	86
Nephritis	130-132	61	94	48	81
Tuberculosis	13-22	19	34	18	32
Pulmonary tuberculosis	13	18	31	16	30
Diabetes	61	32	30	26	26
Accidents (except motor vehicle)	169,171-195	47	49	40	45
Motor vehicle accidents	170	25	32	25	31
Pneumonia	107-109	31	50	25	46
Cirrhosis of the liver	124	11	9	9	8
Arteriosclerosis	97	24	25	18	21
CHICAGO					
All causes		11.0	10.9	9.6	11.1
Heart disease	90-95	438	376	380	388
Cancer	45-55	180	149	155	149
Intracranial lesions					
of vascular origin	83	72	66	63	69
Nephritis	130-132	53	90	47	94
Tuberculosis	13-22	44	64	40	60
Pulmonary tuberculosis	13	41	59	36	54
Diabetes	61	38	38	33	39
Accidents (except motor vehicle)	169,171-195	36	39	34	39
Motor vehicle accidents	170	17	24	16	24
Pneumonia	107-109	36	44	32	46
Cirrhosis of the liver	124	20	13	18	13
Arteriosclerosis	97	9	7	8	8

* Rates per 100,000 estimated mid-year population for selected causes and per 1,000 population for "all causes."

** Adjusted by the direct method using U.S. 1940 population as standard.

Table 8. -- AGE SPECIFIC MORTALITY RATES FOR SELECTED CAUSES OF DEATH,
ILLINOIS RESIDENTS: 1940 AND 1949

(Per 100,000 population in each age group)

Selected Cause	Int. List No. 5th Revision	Year	Under 5 years	A G E G R O U P					45-64	65 years and over
				5-9	10-14	15-24	25-34	35-44		
Heart disease	90-95	1949 1940	2 4	3 6	5 11	11 15	26 37	102 105	575 500	3049 2986
Cancer	45-55	1949 1940	4 5	4 4	3 2	6 5	16 18	68 65	303 274	970 924
Intracranial lesions of vascular origin	83	1949 1940	3 2	1 1	1 0	1 1	4 5	16 17	104 114	679 794
Nephritis	130-132	1949 1940	2 2	1 2	2 3	5 6	7 12	16 26	64 109	448 842
Tuberculosis	13-22	1949 1940	7 14	3 3	1 6	15 36	22 55	35 64	53 70	67 65
Pulmonary tuberculosis	13	1949 1940	2 6	1 1	1 4	14 32	21 51	33 61	51 66	63 60
Diabetes	61	1949 1940	1 2	0 1	1 2	2 2	2 3	5 8	54 60	238 250
Accidents (except motor vehicle)	169,171-195	1949 1940	30 36	12 16	14 16	17 19	16 20	26 30	43 54	225 233
Motor vehicle accidents	170	1949 1940	8 14	9 14	10 11	29 28	16 25	20 20	25 38	50 75
Pneumonia	107-109	1949 1940	75 133	4 7	3 4	3 7	4 12	12 22	31 57	178 258
Cirrhosis of the liver	124	1949 1940	2 0	-0- 0	0 1	0 0	3 2	13 10	32 24	55 53
Arteriosclerosis	97	1949 1940	-0- -0-	-0- -0-	-0- -0-	-0- -0-	-0- 0	0 0	8 9	187 212

-0- No frequency.

THE SIX MAJOR REGIONS OF ILLINOIS

POPULATION - 1950 CENSUS

STATE OF ILLINOIS 8,712,176

REGION 1 - CHICAGO METROPOLITAN

REGION TOTAL 5,127,212

Cook County	4,508,792
Berwyn	51,176
Blue Island	17,580
Brookfield	15,484
Calumet City	15,777
Chicago	3,606,436
Chicago Heights	24,369
Cicero	67,195
Des Plaines	14,975
Elmwood Park	18,771
Evanson	73,000
Evergreen Park	10,515
Forest Park	14,946
Harvey	20,636
La Grange	11,950
Maywood	27,409
Melrose Park	13,109
Oak Park	63,175
Park Ridge	16,543
River Forest	11,067
Skokie	14,821
Wilmette	15,184
Winnetka	12,545
Du Page County	154,509
Downers Grove	11,868
Elmhurst	21,204
Wheaton	11,574
Kane County	150,388
Aurora	50,568
Elgin	43,534
Lake County	179,097
Highland Park	16,767
Waukegan	39,099
Will County	134,336
Joliet	52,460

REGION 2 - NORTHERN

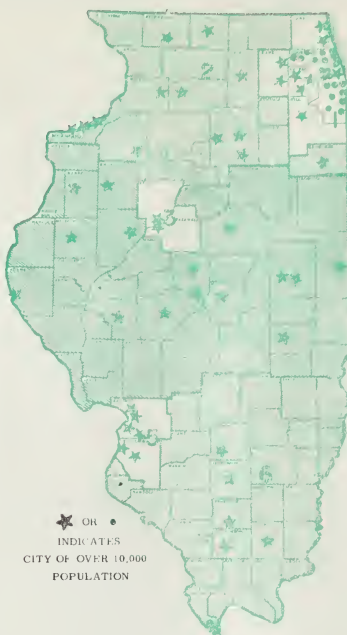
REGION TOTAL 890,111

Boone County	17,070
Bureau County	37,711
Carroll County	18,976
De Kalb County	40,781
De Kalb City	11,567
Grundy County	19,217
Henry County	40,492
Kewanee	16,770
Jo Daviess County	21,459
Kankakee County	73,524
Kankakee City	29,873
Kendall County	12,115
La Salle County	100,610
La Salle City	12,023
Ottawa	16,851
Streator	16,442
Lee County	36,451
Dixon	11,532
Mc Henry County	50,656
Ogle County	33,429
Putnam County	4,746
Rock Island County	131,558
East Moline	13,896
Moline	37,296
Rock Island City	48,594
Stephenson County	41,595
Freeport	22,425
Whiteside County	49,336
Sterling	12,761
Winnebago County	152,385
Rockford	92,503

REGION 3 - PEORIA METROPOLITAN

REGION TOTAL 250,512

Peoria County	174,347
Peoria City	111,523
Tazewell County	76,165
Pekin	21,912



★ OR •
INDICATES
CITY OF OVER 10,000
POPULATION

REGION 4 - CENTRAL

REGION TOTAL 1,379,478

Adams County	64,690
Quincy	41,402
Brown County	7,132
Calhoun County	6,898
Cass County	15,097
Champaign County	106,100
Champaign City	39,397
Urbana	22,995
Christian County	38,816
Clark County	17,362
Colas County	40,328
Mattoon	17,993
Cumberland County	10,496
De Witt County	16,894
Douglas County	16,706
Edgar County	23,407
Ford County	15,901
Fulton County	43,716
Canton	11,910
Greene County	18,852
Hancock County	25,790
Henderson County	8,416
Iroquois County	32,348
Jersey County	15,264
Knox County	54,366
Galesburg	31,357
Livingston County	37,809
Logan County	10,671
Lincoln	14,344

Mc Donough County	28,598
Macomb	10,586
Mc Lean County	76,577
Bloomington	34,048
Macon County	48,855
Decatur	67,891
Macoupin County	44,216
Marshall County	13,025
Mass County	15,324
Menard County	9,639
Mercer County	17,174
Montgomery County	32,460
Morgan County	35,568
Jacksonville	20,374
Moultrie County	13,177
Piatt County	13,970
Pike County	22,155
Sangamon County	131,484
Springfield	80,832
Schuyler County	9,413
Scott County	7,245
Shelby County	24,414
Stark County	8,721
Vermilion County	87,079
Danville	37,892
Warren County	21,981
Monmouth	19,199
Woodford County	21,335

REGION 5 - ST. LOUIS METROPOLITAN

REGION TOTAL 388,302

Madison County	182,307
Alton	32,176
Collinsville	11,907
Granite City	29,139
Wood River	10,217
St. Clair County	265,995
Belleview	32,701
E. St. Louis	81,950

REGION 6 - SOUTHERN

REGION TOTAL 676,561

Alexander County	20,316
Cairo	12,217
Bond County	14,157
Clay County	17,445
Clinton County	22,594
Crawford County	21,137
Edwards County	9,056
Effingham County	21,675
Fayette County	24,582
Franklin County	48,665
W. Frankfort	11,251
Gallatin County	9,818
Hamilton County	12,256
Hardin County	7,530
Jackson County	38,124
Carbondale	10,911
Jasper County	12,266
Jefferson County	35,892
Mill Vernon	15,633
Johnson County	8,729
Lawrence County	20,539
Marion County	41,700
Centralia	13,814
Massac County	13,594
Monroe County	13,282
Perry County	21,684
Pope County	5,779
Pulaski County	13,639
Randolph County	31,673
Richland County	16,889
Saline County	33,420
Harrisburg	10,994
Union County	20,500
Wabash County	14,651
Washington County	14,460
Wayne County	20,933
White County	20,935
Williamson County	48,621
Marion	10,130

Health Statistics
BULLETIN

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
SPRINGFIELD, ILLINOIS

Return postage guaranteed











UNIVERSITY OF ILLINOIS-URBANA



3 0112 048997487